

East-West Center

Twentieth Annual Report

For the fiscal year ending
September 30, 1980

ACADEMIC FREEDOM

In establishing the non-profit educational corporation to operate the East-West Center, the Hawaii State Legislature in 1975 enacted into law the Center's long-standing policy that the institution shall neither conduct nor support any classified (secret) activity or research, and shall make the results of its activities and research available to the public.

The law also requires that academic freedom shall be upheld and preserved in all of the programs and activities of the East-West Center. Within the framework of the Center's mission, its problem-orientation, and the criteria for team work, the Board of Governors adopted the following policy on academic freedom:

"The East-West Center embraces those aspects of academic freedom which guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both participants and staff are indispensable and inseparable. Participants, whether from the United States or from foreign countries, as members of the academic community are encouraged to develop a capacity for critical judgment and to engage in sustained and independent search for the truth.

"Individuals from foreign countries, as full participants in the educational process at the East-West Center, have the right to pursue formal knowledge, verbal or written, in whatever directions and with whatever legitimately appropriate associations as are necessary, without fear of reprisal. The Board of Governors condemns, in the strongest possible terms, any actions or statements on the part of anyone which may tend to interfere with the academic freedom of any participant at the Center. Any monitoring (conducting surveillance, reporting to government officials, issuing threatening warnings, etc.) directly or indirectly of political studies, activities, associations, attitudes or opinions of any participant, student, staff or other member of the East-West Center or the University of Hawaii academic community constitutes such interference.

"For its part, the East-West Center guarantees all participants the freedom of silence. No participant is required to engage in research on any topic or to make statements of any kind unless it is his/her wish to do so.

"The East-West Center would be most concerned if any government placed its own nationals in jeopardy for engaging in normal academic studies on its campus; it urges other governments to accept the concepts of academic freedom prevalent here if they intend for their nationals to study at this institution."

RESEARCH MATERIALS CENTER
EAPI/RSI INSTITUTES
EAST-WEST CENTER
HONOLULU, HAWAII 96848

East-West Center

Annual Report

October 1, 1979—September 30, 1980

Published by
East-West Center
1777 East-West Road
Honolulu, Hawaii 96848

December 1980

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ABOUT THE EAST-WEST CENTER

The East-West Center was established in 1960 by United States Congressional legislation. Our purpose is to promote better relations and understanding among the peoples of Asia, the Pacific and the United States. The legislation prescribes the methods of carrying out this purpose as "cooperative study, training and research," and the means as "the establishment and operation in Hawaii of an educational institution to be known as the Center for Cultural and Technical Interchange Between East and West."

The Center's programs focus on major world problems, especially those which are potential or actual sources of difference, misunderstanding, and conflict among cultures and nations, East and West. We seek to generate and share knowledge about alternative approaches and solutions to problems; to produce, share, and test policy aids and materials; and to educate people to reconcile differences, clarify misunderstandings, and avoid or resolve conflict. In order to plan research and to disseminate knowledge generated by the Center's programs, we hold workshops, seminars, and conferences throughout the year.

The style of each program is cooperative, bringing together from different countries, cultures, disciplines, and professions, older and younger scholars, practitioners, and policy makers to seek solutions to the problems being tackled. Thus, the problem provides a focus around which people from East and West can interact as they study, give and receive training, exchange ideas and views, and conduct cooperative activities.

The Center's programs are organized into five institutes, Open Grants, and special projects. The institutes focus on the following problems areas: communication, culture learning, environment and policy, population, and resource systems.

The Population Institute contributes to the knowledge and understanding of the facts of rapid demographic change, its causes and effects, and policy alternatives.

The Resource Systems Institute concentrates on the interrelationship of food, energy, and raw materials which influence the lives of people and relations among nations.

The Environment and Policy Institute explores ways to integrate environmental factors into a broad range of policy considerations so that activities designed to meet human needs will not be counterproductive among different sectors of society and over time.

The Communication Institute investigates the various patterns of communication that bind individual societies together and analyzes how these different patterns facilitate or retard better relations and understanding among nations.

The Culture Learning Institute focuses on the special set of problems that arise when different cultures come into contact, specifically when people of Asia, the Pacific, and the United States interact.

Truly international, the Center has international staffing, participants, and teamwork; international financial support; and an international Board of Governors.

Our staff includes more than 250 men and women of numerous nationalities, of diverse academic backgrounds, and with wide practical experience.

Our "participants" number approximately 1500 men and women each year and include scholars, leaders, public officials, professionals, and graduate students. They come to the Center from the United States and more than 40 countries and territories

ranging from Korea to Iran on the Asian continent and from Japan to Australia in the Pacific. For each participant selected from the United States, two are selected from the Asia-Pacific area.

Participants, chosen in relation to Center objectives, are invited to join Center projects. They bring with them varying degrees of knowledge and awareness about a problem area. They begin working with Center staff and with each other in the production, testing, and dissemination of knowledge and in applying skills to respond to problems. Their contributions to the projects vary depending on their backgrounds and skills, and the responsibilities assigned to them by the project leaders. In the process, they develop bonds of friendship, collegiality, and trust that serve to promote better relations and understanding.

The Center, itself, is supported not only by appropriations from the United States Congress (\$14,667,000 in 1980) but also by contributions from governments of Asia and the Pacific. Such international support creates a true sense of partnership, the essential foundation for mutual understanding and better relations.

Since 1975, the Center has been operated by a quasi-public, educational, non-profit corporation with an independent, international Board of Governors. Board members come from the United States, Fiji, India, Japan, the Philippines, and Singapore.

We maintain close and cooperative relationships with the University of Hawaii. Our staff and participants have access to its libraries, computer center, and other resources. We provide reciprocal access for University of Hawaii faculty and students to our facilities and resources.

Our 21-acre campus is adjacent to the University. We have three residence halls, housing 500 participants. One hall has self-contained apartments; the other halls are dormitories. In addition, we have a 300-office program building, a conference building with a cafeteria, a half-dozen temporary buildings, and garden, recreation, and performance areas. A Thai Pavilion and a Japanese Garden are among facilities contributed by governments, organizations, and businesses in Asian countries.

Among Center services available to staff and participants are data support and media production.

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Office of the President

Everett Kleinjans, President

Resignation of President Kleinjans

After serving as the Chief Executive Officer of the East-West Center for twelve years, Dr. Everett Kleinjans resigned from the Presidency at the end of the fiscal year to devote the next 12 months to research and writing. When he made his decision to resign, he summarized his perceptions of the Center in a letter to the Board of Governors as follows:

"There comes a time in the lives of individuals and institutions when change is appropriate. In 1980 I will have completed twelve years as head of the East-West Center during a period of dynamic growth. The challenge to build this institution has consumed my entire life during that period. However, at this stage in my personal growth I crave time to reflect and do some writing in the field of cross-cultural communication and education.

"During this year the East-West Center will be celebrating the twentieth anniversary of its establishment by the U.S. Congress. The Board of Governors will be completing half a decade of administering the institution as an autonomous non-profit educational corporation. The five institutes will, by and large, be reaching the levels of program strength and staff development envisaged a decade and more ago when we first planned the shift to problem-oriented programs....

"I foresee accelerating change in Asia and the Pacific during the coming decade, with a dramatic increase in the importance of this area to both East and West. The Center must continue to be in the thick of this historic movement. I believe it is fit to meet the challenge.

"As head of the East-West Center, I have had enormous satisfaction in the role our institution has played in this period of movement in Asia and the Pacific, including America's changing relationships in the area. The years have been a time of challenge and growth, not only for the institution, but for me as a person. I will look upon these years as the most productive, exciting and rewarding years of my life to date....

"I will turn over the responsibilities of the presidency with pride, knowing that the East-West Center is the achievement of many fine and dedicated people--members of boards, staff members, and participants--whose partnership and friendship I value."

Dr. Kleinjans was appointed Honorary Research Scholar at the Center for FY 1981. In recognition of his services to the Center, Governor George Ariyoshi of the State of Hawaii presented President Kleinjans with the Center's highest award, the Distinguished Service Award, at the Center's Annual Convocation in September. Governor Ariyoshi stated that:

"President Kleinjans was selected for this award because of his leadership of the Center as Chancellor and President for the past twelve years. His accomplishments during his term as Chief Executive

have included: a) providing the philosophical guidance for bringing the Center closer to its goal of promoting better relations and understanding; b) establishing and guiding the development of the Center's problem-oriented programs; c) leading the effort to establish a separate corporate body to administer the Center; d) increasing the Center's funding support from \$5 million to \$20 million during his tenure; and e) providing guidance and support for building a truly international institution with international participation, staffing, funding, and governance."

Dr. Lee-Jay Cho, Director of the East-West Center's Population Institute since 1974, was named Acting President of the East-West Center to succeed Dr. Kleinjans upon his resignation from the post September 30, 1980. The interim appointment was made by the Board of Governors, which began a search for a new Center president after the Board approved President Kleinjans' request to give up his duties as chief executive officer.

Dr. Cho, who was a member of the faculties at the University of Chicago and University of Hawaii before joining the East-West Center research staff in 1971, will serve as Acting President until the Board names a new chief executive officer some time in 1981. The Board's search committee, headed by Dr. Edwin Young of the University of Wisconsin, proceeded with its review of more than 200 nominations and applications for the position.

Twentieth Anniversary Activities

During 1980, the Center celebrated the 20th Anniversary of its founding in 1960 by the U.S. Congress. A number of special events related to the theme Building a Pacific Community were held to observe the occasion including the "Pacific Community Lecture Series." The general theme of "Prospects for a Pacific Community" was considered by four distinguished lecturers, Ratu Sir Kamisese K.T. Mara, Prime Minister of Fiji; Dr. Kiyoshi Kojima, Professor of International Economics; Dr. Gerardo P. Sicat, Minister of Economic Planning, National Economic Development Authority, Philippines; and Sir John Crawford, Chancellor, Australian National University. The lecture series will be concluded during fiscal year 1981 and the lectures will be published in book form.

On May 14, 1980, the 20th anniversary date of President Eisenhower's action in signing the bill authorizing the establishment of the East-West Center, a major symposium on China and the Nations of the Pacific was held in Washington, D.C. Former Senator J. William Fulbright and Dr. B.D. Nag Chandhuri of India, both members of the Center's Board of Governors, served as Honorary Chairman and Program Chairman respectively. The proceedings of this symposium, which included presentations by a number of Center research associates and participants, will be published.

Other activities related to the 20th Anniversary included an international conference of Center alumni in July and the publication of a 20th Anniversary booklet.

Programmatic Activities

During the year, the five institutes continued to refine and improve the quality of their cooperative research, training, and educational programs. Detailed information on the institutes is provided in subsequent sections of this Annual Report. The Center involved over 1,700 participants in its projects and activities during the period (141 research fellows, 1,232 professionals, and 387 graduate students). A new programmatic thrust, the Pacific Islands Development Program, was established and a major conference of Pacific Island leaders was held in March, 1980. The Conference brought together heads of state and other prominent leaders from twenty

Pacific Island countries and territories. Further details are provided in the "Student Affairs and Open Grants" section of this Annual Report.

Board of Governors

The Board of Governors held meetings in January and June. Mr. Kenneth Char, Vice-Chairman of Aloha Airlines, was elected Chairman of the Board to succeed Dr. Mary Bitterman, who resigned from the Board to assume her new duties as Associate Director for Broadcasting (Voice of America), U.S. International Communication Agency, in Washington, D.C. Two new Board members, Yoshinori Maeda, Co-chairman of the U.S.-Japan Conference on Cultural and Educational Interchange, and George Chaplin, Editor-in-Chief of the Honolulu Advertiser, joined the Board, replacing Masaru Ibuka, Honorary Chairman of Sony Corporation and Dr. Bitterman. The International Advisory Panel reviewed the programmatic activities of the Communication Institute and the Culture Learning Institute and provided advice to the President and the Board. The members of the Communication Institute panel were:

Sumiko Iwao, Institute for Communication Research, Keio University, Tokyo, Japan.

Joyce K. Kallgren, Vice-Chairman, Center for Chinese Studies, University of California at Berkeley.

Sir Charles Moses, Honorary Councillor, Asian Broadcasting Union, Sydney, Australia.

The members of the Culture Learning Institute panel were:

Bom Mo Chung, President, Chungbuk National University, Cheongju, Chungbuk, Korea.

Wang Gungwu, Director, Research School of Pacific Studies, Australian National University, Canberra, Australia.

Selo Soemardjan, Professor of Sociology, University of Indonesia and President, Foundation of Social Sciences, Jakarta, Indonesia.

Barbara M. White, President, Mills College, Oakland, California.

Population Institute

Lee-Jay Cho, Director

The world's population continues to increase by enormous numbers each year, despite some success in reducing the rate of growth. World population is expected to grow from 4 billion in 1975 to 6.3 billion by the year 2000. Over 90 percent of that growth will occur in the less developed countries. The year 2000 will find 3.6 billion of the world's 6.3 billion people in the East-West Center region.

Urban populations are growing at an even faster rate than the world population. The increasing urban concentration is an important aspect of demographic change affecting both rural and urban development efforts. Urbanization in the next two decades will bring about drastic changes in social, economic, and political life. The increasing number of people in cities thwarts governmental efforts to improve the quality of life for current and future generations. When such growth becomes unmanageable--that is, when jobs and public facilities lag behind the demand for them--then urbanization becomes a serious concern of public policy.

There are complex linkages among population growth, economic development, resources, and social change. In order to understand these linkages and deal effectively with their consequences, governments must first ascertain the facts about numbers of people, the age structure of the population, spatial distribution, rates of fertility and mortality, and other demographic facts that are indispensable in development planning. In addition, the specific causes and consequences of population change and of government policies need to be critically examined so that effective solutions can be tested. The program of the Population Institute is designed to seek new knowledge about these various facets of population and development and to bring researchers and policy makers together to examine current trends and explore implications for the future. Policy makers must be encouraged to take the long view, since their actions today will significantly influence the world in the next century. The following report describes accomplishments during the past year.

PI PROJECT 1: DEVELOPMENT AND APPLICATION OF TECHNIQUES IN CENSUS, SURVEYS, AND VITAL REGISTRATION

The purpose of this project is to promote effective means of collecting and using population data. It seeks to do so through research directed to the development, application, and evaluation of new analytic techniques. Present emphasis is on techniques for estimating fertility and mortality from census data. The project also emphasizes coordination between data collection and analysis efforts.

The objectives for this project in FY 80 were:

1. To prepare the groundwork for analysis of data from the 1980 round of censuses, particularly in the areas of census editing and census mapping.
2. To develop and apply techniques for analyzing census data, particularly in the area of estimation of fertility and mortality.
3. To develop and apply new techniques of estimating fertility and mortality from defective vital registration data.
4. To continue disseminating new knowledge in the above areas in the Asian and Pacific Census Forum, a quarterly publication of the Institute, designed to

promote the effective collection and use of population data by providing an international forum for reporting and discussing new knowledge in the field.

Project Accomplishments

Five project meetings were held during FY 1980: a Census Editing Working Group, a Pacific Islands Census Planning Meeting, a Census Mapping Working Group, and a Vital Registration Working Group. The project attained widespread participation in these activities, with 44 participants staying an average of slightly more than five weeks. In addition, a workshop on Census Evaluation was included in the Eleventh Summer Seminar on Population, and the Institute co-sponsored, with the Commission on Population and the Hawaiian Future a one-day 1980 Census User Conference which drew about 100 participants from the local community.

Three interns participated in the project. Steven Wilson, resident advisor to the Central Bureau of Statistics in Indonesia, worked with Griffith Feeney, research associate, on analysis of demographic data from Indonesia. Shyam Thapa, graduate student at Brown University, worked with Robert Retherford, assistant director for graduate study, on fertility and infant mortality estimates for Nepal, based on data from the Nepal phase of the World Fertility Survey. Norman Luther, professor of mathematics at Washington State University, worked with Feeney on a new technique for estimating the completeness of vital registration and on a new procedure for correcting census age distributions; he also served as a resource person in the Vital Registration Working Group.

Robert Gardner, research associate, served as instructor at a training workshop on vital statistics, held in Niue in the South Pacific and sponsored jointly by the South Pacific Commission and the United Nations Fund for Population Activities. Retherford served as a member of a United Nations Fund for Population Activities review mission to the South Pacific, where his role on the review team was to assess the state of demographic data collection and analysis in the countries of the region. Feeney is serving as resident advisor to the Central Bureau of Statistics in Indonesia, where he is assisting with the development of plans for analysis of data from the 1980 Indonesian Census.

Work continued on preparation of the Handbook on the Own-Children Method of Fertility Estimation. In this connection, a new computer package was prepared which modifies the original method to allow estimation of birth rates by duration since first marriage (marital birth rates are useful analytically for disentangling the effects of nuptiality changes and marital fertility changes on overall fertility decline). Retherford and G. Muftaba Mirza, Joint Census Commissioner for Pakistan, prepared a manuscript analyzing the effects of age misreporting on own-children fertility estimates for Pakistan. Lee-Jay Cho, director, and Ruby Bussen, data analyst, prepared a paper on the use of the own-children method in reconstructing maternity histories from census or household survey data. Several collaborators from the Institute and Thailand published a paper on own children fertility estimates on Thailand.

Michael Levin, fellow, and Paul Wright, consultant, completed the basic report for the Census of American Samoa, as part of a cooperative arrangement between the Institute and the Government of American Samoa. Chai Bin Park, research associate, completed a study regarding an improved measure of attributable risk from recurrent demographic events (to appear in FY 81). Feeney published a paper on estimation of infant mortality trends from child survivorship data. Siew-Ean Khoo, research associate, authored a report on a meeting exploring the prevalence and demographic analysis of sterilization, jointly published by the Institute and the International Union for the Scientific Study of Population. Gardner completed a study on ethnic differentials in mortality in Hawaii (to appear in FY 81).

PI PROJECT 2: ANALYSIS OF POPULATION GROWTH

Implementation of Project 1 results in increased variety and improved quality of population data for more countries in the East-West Center region. The expanded body of improved data and estimates constitute new bases for better knowledge on population which are used in Project 2. A series of studies analyzing demographic situations in Asia, the Pacific, and the United States are planned and will be carried out in collaboration with appropriate population research organizations.

Over the next few years the Institute will also develop a small but important research component to improve knowledge and understanding of the demographic situation in the People's Republic of China. The Institute will be in a unique position if it can contribute to the comprehension of the population policy and demographic changes occurring in that country. The Institute will also add a stronger component of activities related to South Asia.

The objectives for the project in FY 1980 were:

1. To determine recent changes in levels and differentials in fertility, mortality, migration, and nuptiality.
2. To update periodically reports on the current demographic situation in countries of the region.
3. To develop research components to improve knowledge and understanding of the demographic situation in the People's Republic of China and the countries of South and West Asia.
4. To conduct a series of workshops and working groups enabling survey analysts from Asian and Pacific countries to prepare, present, and discuss findings from secondary analyses of World Fertility Survey data.
5. To prepare comparative analyses of data on child spacing, nuptiality, and other topics as appropriate for assessing regional population growth.
6. To evaluate policy alternatives, using knowledge gained from completed assessments.

Project Accomplishments

A major conference on the analysis of China's population was held in May, bringing together experts on China's population from China, the United States, and several other countries. Future collaborative work was a principal topic for discussion, and EWPI staff have continued conversations with Chinese scholars in the months following the conference. During the year, Chi-Hsien Tuan joined the staff as a research associate and has been instrumental in facilitating the work on China. About half of the participants in the conference stayed on for an additional week for a working group, during which time they were introduced to the research and resources of the Population Institute.

Other work related to China during the year was undertaken by Fellows Judith Banister, who left to join the U.S. Census Bureau late in the year, Pi-Chao Chen of Wayne State University, and Ansley Coale of Princeton, who visited China with Research Associate Chi-Hsien Tuan.

Significant work was accomplished for several other countries as well. Nasra Shah, fellow, continued her association with the Institute, working principally on a book presenting a socioeconomic and demographic profile of Pakistani women and on evaluating the family planning program of Pakistan. Additional work on Pakistan was

carried out by Farhat Yusuf of MacQuarie University. Ansley Coale completed a monograph titled, "Estimation of Recent Trends in Fertility and Mortality in the Republic of Korea," with Noreen Goldman, former fellow, and Lee-Jay Cho. Two Japanese scholars, Dr. Yoshihiro Tsubouchi and Dr. Kazumasa Kobayashi, worked with EWPI staff on the demographic situation in Japan and assessed possibilities for secondary analyses of data from the Japanese World Fertility Survey. Dr. Mahendra Kumar Premi of Jawaharlal Nehru University began work on a demographic situation report for India as well as preparing a report on migration in India. Tha Htun Oo, former Director General of the Central Statistical Organization of Burma, began work on a demographic situation report for Burma; and Dr. Murray Bathgate, fellow, collaborated with Research Associate Murray Chapman in work on the Solomon Islands. Not all of the above activities led to final publications during the year, since the work was initiated during the year. A comparative study of the effects of sterilization was, however, completed during the year. Fellows Charles Westoff and Noreen Goldman collaborated with student Minja Choe in a paper titled: "Prevalence and Demographic Significance of Contraceptive Sterilization in Fiji, the Republic of Korea, and Sri Lanka."

Research Associate James Palmore collaborated with Nasra Shah, fellow, and with Mercedes Concepcion of the University of the Philippines in producing two reports on the relationship of fertility preferences and contraceptive use. The Shah and Palmore paper emphasized Pakistan while the Palmore and Concepcion paper was a cross-national analysis.

Work on nuptiality, coordinated by Research Associate Peter Smith, led to one new paper co-authored by Smith and Fellow Nasra Shah: "Non-familial roles and fertility: Pakistan and the Philippines Compared." Additional work on the Philippines was undertaken by Fellow Henry Magalit, who is collaborating on the assessment of the 1978 Philippines area study.

A report on the demographic situation in Thailand was completed. Titled "Fertility and Mortality Changes in Thailand, 1950-1975," this report was completed by the Panel on Thailand, Committee on Population and Demography, Assembly of Behavioral and Social Sciences, National Academy of Sciences. Research Associate Fred Arnold was a member of the panel as were several other persons who have been at EWPI as fellows or participants in workshops and conferences.

Researchers from several institutions worked at EWPI in the cross-national research on trends and differentials in childspacing. Computer work was completed for Thailand by Research Intern Chanpen Saengtienchai and for Sri Lanka by Intern Sirisena Gamage. This work should lead to publication early next year. Work on childspacing trends for Korea was completed and submitted for publication late in the year. This paper, "The Transformation of Childspacing Practices in Korea," is authored by Ronald Rindfuss, University of North Carolina, Larry Bumpass, University of Wisconsin, Research Associate James Palmore, and Dae Woo Han of the International Development Research Council in Singapore. Work on childspacing in the Philippines, and work on the comparative aspects of the study was begun towards the end of the year. Several other research interns worked on other aspects of the overall project. Tauseef Ahmed from the Pakistan Manpower Institute worked with Fellow Nasra Shah on Pakistani data. Soon Choi from the Korean Institute for Family Planning worked with EWPI staff on several collaborative research projects on Korea's population. David Swanson, now working for the State of Washington, worked on childspacing for the population of Hawaii. Michael Cullinane, graduate student at Michigan, worked with Research Associate Peter Smith on the historical demography of the Philippines. Shyam Thapa worked with Research Associates Robert Retherford and James Palmore and Fellow Judith Banister on various aspects of Nepal's demography.

A collaborative project between EWPI and the Indonesian Central Bureau of Statistics has led to a monograph just published by the University Press of Hawaii: Population Growth of Indonesia: An Analysis of Fertility and Mortality Based on the 1971

Population Census. While publication of this manuscript is completed, work on Indonesia's population continued and has involved, during this year, Research Intern Si Gde Made Mamas, Research Associates Lee-Jay Cho, Griffith Feeney, and James Palmore.

PI PROJECT 3: CAUSES AND CONSEQUENCES OF DEMOGRAPHIC BEHAVIOR

The first two Institute projects are concerned with technical and descriptive demography, whereas this project focuses on relationships among population processes and socioeconomic development. The specific objectives established for the project during this report period were:

1. To develop improved theoretical models of the demographic transition and to conduct empirical tests of these models in several countries.
2. To assess the importance of nuptiality in an individual life-cycle framework as a determinant of socioeconomic status attainment and family formation patterns.
3. To identify parental motivations in family formation--especially the values and costs of children, gender preferences, and resource transfers between parents and children--and to link these with broader socioeconomic changes for the guidance of policy.
4. To conduct case studies of the economic impact of population changes, with particular attention to savings, investments, and labor utilization; and to identify interrelationships between these variables and fertility.
5. To conduct case studies of the interrelationships among fertility, nuptiality, child mortality, and health and medical systems in selected countries.
6. To develop a program of research into individual-level consequences of family-size decisions.

Project Accomplishments

Several researchers were engaged in studies of the social, economic, and cultural determinants of fertility. Some of these studies involved individual-level models of fertility decisions, whereas others focused on macrolevel and social structural causes and consequences of family formation patterns.

The Value of Children study (VOC) continued its second phase, wherein data from eight countries were examined and generalizations were established regarding the transition in the value of children over the course of social and economic development. This comparative analysis was carried out mainly by Fellow Rodolfo A. Bulatao, with the collaboration of Interns Stella Go, Dionisia De la Paz, and Danilo Lapid. The major report in the period under review was "Further Evidence on the Value of Children Transition" by Bulatao. In addition, his article, "The Value of A Filipino Child: Pleasure and Profit Against Cost and Concern," was reprinted, and he presented VOC study results at a meeting of the International Union for the Scientific Study of Population. Several other reports were in preparation during the year by various authors, and one joint doctoral intern prepared for fieldwork in Nepal to study issues raised by the value of children research.

Another effort to model the fertility decision process was in the formative stage during fiscal year 1980. Research Associate James Palmore, along with Rodolfo A. Bulatao and collaborators elsewhere, developed the design for a cross-national, longitudinal, prospective study which will test the fertility model developed earlier by Warren Miller and Paula Hollerbach. That model, which was discussed and

elaborated at a planning workshop in November 1979, involves consideration of several key stages of the fertility decision as a process, and distinguishes the substance of fertility decisions from the process by which such decisions are made. Another workshop on this topic was included in the Eleventh Summer Session. Recently proposals for this research have been prepared requesting funds to test the model in the Philippines, Taiwan, Indonesia, Pakistan, and the United States.

Other work on the determinants of fertility decisions was carried out by Robert D. Retherford, assistant director for graduate study, who refined his model of fertility decisions in homogenous societies undergoing rapid change. A paper describing this model was submitted for publication.

In contrast to these individual-level decision models, which stress personal choice, was other research into macro or social structural causes and correlates of family formation.

One such approach is embodied in the Asian Marriage Survey (AMS), a cross-national project involving collaborating researchers in four countries. During fiscal year 1980 cleaning and editing was carried out on data collected the year before in Indonesia, the Philippines, and Thailand and funding was received in November 1979 to collect similar data in Pakistan. That data collection took place during the year under review and editing was begun. The AMS study seeks to understand fertility behavior in the context of family structure and status attainment processes. A life-cycle conceptual framework has guided data collection, and a workshop on this mode of analysis was conducted in June 1980. By the end of the year initial analysis of the AMS data had begun.

As an important component of overall fertility, marriage patterns have been singled out for study in the Asian Marriage Survey and also in a series of separate studies. During fiscal year 1980 the Institute published a paper on nuptiality and fertility in Pakistan by past Intern Mehtab S. Karim, and reprinted a paper by Research Associate Peter C. Smith, "Asian Marriage Patterns in Transition." In addition, Joint Doctoral Intern Lita Domingo examined nuptiality patterns in the Philippines, and Shui Meng Ng completed a doctoral dissertation on nuptiality and fertility patterns in a nineteenth-century village in the Philippines.

Finally, research by James Palmore sought to measure and explore another structural feature of family systems--the flow of resources between parents and children. The nature of these flows has been suggested to be an important influence on fertility decisions. A survey instrument was designed and pretested in both India and the United States, and plans were made for surveys to be conducted during fiscal year 1981.

The value of these various studies of fertility decisions and their determinants is widely recognized in the academic community, and as a result several members of the project were asked to participate in the work of a new National Academy of Sciences Panel on the Determinants of Fertility Change. Research Associate James T. Fawcett was asked to serve as a member of the panel and attended several panel meetings. Smith, Palmore, and Retherford were commissioned to prepare state-of-the-art reviews in each of several fields of interest to the panel. Fawcett also represented the Institute at a meeting sponsored by the United Nations Fund for Population Activities (UNFPA) to develop comparative cultural analyses of fertility decision making.

Substantial staff efforts went into studies of fertility determinants, but significant work was also done on macrolevel economic-demographic interactions. Research on the modeling of economic-demographic relationships, and the application of such a model to planning problems, was continued by Research Associate Andrew Mason under a grant from the UNFPA. The main activities during fiscal year 1980 included a consultative meeting in December 1979 involving eight of the participants in the

project, and a Conference on Population and Development in August 1980 at which research on population and development in each of four countries was reviewed and common research needs were identified. Fellows on this research included Sung Yeal Koo, Paul Gregory, and Mathana Phananimai. Wi-Sup Song and Maria Mendoza research interns, worked on testing the model using Korean and Philippine data respectively.

In a related research activity, Research Associate Linda Martin continued her investigation into the impacts of the declining population growth rate in Japan on age structure and thus on infrastructural needs and investments. Peter C. Smith continued his analysis of the demographic structure of urban labor markets in Thailand and Indonesia. The focus of his research was on the sex segregation of urban occupations in those countries. Reports were presented to a meeting of the Population Council and at an Institute Conference on Intermediate Cities in Asia (see Project 4). One of the most important and least understood economic-demographic interactions is that between female labor force participation and fertility. Research on this topic was conducted by Fellow Nasra Shah; she and Smith prepared a report for publication.

Interactions between environmental and demographic processes are of increasing significance throughout Asia and the Pacific. One large-scale research effort was under way in this area during fiscal year 1980. A National Science Foundation grant was received to support the research of Adjunct Research Associate Peter Kunstader (who holds a joint appointment with EAPI and RSI) in villages of northern Thailand. In 1980 this work included a resurvey of villages studied by Kunstader 10 years earlier. Extensive data were collected on land use, population structure, and reproductive and migration histories in particular.

Finally, several students affiliated with the project designed their own village-level studies. These included Rowe Cadelina (Anthropology), who began field research in Palawan, the Philippines, and Jagdish Bahti (agricultural economics), who began field research in Himalayan India.

As this research continued, members of the project were working to establish research priorities for the future. Two topics emerged as significant areas for new or additional effort: labor force studies and studies of mortality. Research into demographic aspects of labor market processes has been very limited thus far despite the great policy significance of this topic. Mortality is an important determinant of population growth rates and differentials, and is also a direct demographic index to well-being and development. Most Institute research in these two areas, however, takes the form of student thesis research.

The most urgent and overarching need for the immediate future is to increase emphasis on analyses of the consequences of population change. Most of the research under way during fiscal year 1980 and before was focused on causes. Although this work ought to continue, the demographic changes expected over the next decade have important ramifications for economic and social development that need to be understood.

PI PROJECT 4: URBANIZATION, MIGRATION, AND DEVELOPMENT*

This project addresses problems related to population movement and the growth of urban areas, emphasizing comparison of these processes in different countries and the analysis of international migration systems. Project activities are encompassed within two substantive areas: urbanization and economic development; and migration processes and migrant adaptation. Within each substantive area, two types of research are conducted: monitoring of trends through aggregate-level studies; and

*Formerly known as the Migrants and the City Project

analysis of the dynamics of change through more intensive studies focusing on particular problems or issues.

The specific objectives of this project are:

1. To provide improved documentation of demographic and socioeconomic aspects of migration and population distribution in the Asian and Pacific region.
2. To analyze selected internal and international migration systems, with attention to the causes and consequences of population mobility at the individual, family, and community levels.
3. To assess the impact of urbanization, emphasizing the economic, cultural, and psychological consequences of urban growth.
4. To contribute to the development of more effective urban policies and programs by facilitating linkages between urban researchers and planners.

Project Accomplishments

During FY 80, particular emphasis was given to development of new activities in the area of urbanization and economic development. The focal point was a research planning conference on Intermediate Cities in Asia organized by Research Associate James T. Fawcett, Fellow Robert Hackenberg, and Participant Kamal Salih from Malaysia. Such cities--small- and medium-sized urban places--play a strategic role in the development process and are expected to grow substantially in size and numbers in the coming decades. This meeting, attended by 40 researchers and planners from 12 countries, assessed current knowledge about intermediate cities and laid the groundwork for future collaborative research.

To carry forward such work, the Institute has recruited a long-term fellow with training in regional science and economics and extensive experience organizing comparative urbanization studies in Asia (Fu-Chen Lo). His work will complement the research being planned by current Institute staff (Fawcett and Research Associate Peter Smith) on population movement and labor force issues in intermediate cities. Another fellow joining the Institute, Roy Bahl, will carry out related research on public finance and development expenditures in smaller urban places.

A global analysis of urbanization trends and prospects, spanning the period 1920-2000, was carried out by Fellow Philip Hauser and Research Associate Robert Gardner. This study was commissioned by the United Nations as one of three background papers for the Conference on Population and the Urban Future, attended by mayors and urban planners from the 60 cities that are expected to have populations exceeding five million persons by the year 2000.

A study of urbanization trends in India was initiated in FY 80, under the direction of Research Fellow Mahendra Premi. Data are currently being collected on demographic and economic characteristics for 148 Indian cities. Subsequent analysis will be directed toward explanation of differences in rates of growth and socioeconomic development patterns.

Two EWPI publications on urbanization issued during the year dealt with historical trends in the growth of cities and small towns in Sri Lanka and with the image of the city in Taiwan, as expressed in contemporary literature. In addition, 28 papers were presented at the Conference on Intermediate Cities in Asia (five by staff, fellows, and students), a number of which will subsequently be published by the Institute. A conference background paper by Hackenberg, "New Patterns of Urbanization in Southeast Asia: An Assessment," has been published in Population and Development Review.

In the area of migration processes and migrant adaptation, one major activity, described below, was implemented in FY 80 and progress was recorded in several others.

With financial support from the U.S. National Institutes of Health and the Population Center Foundation of the Philippines, collaborative work was initiated on the Philippines Migration Study. This three-year project will provide a comprehensive view of out-migration from a resource-poor rural area of the Philippines (Ilocos Norte), in-migration of Ilocanos to Manila, and international migration of Ilocanos to Hawaii. In FY 80, a research design workshop was held at EWPI and a baseline survey was conducted in Ilocos Norte, involving interviews with nearly 2,000 men and women. Five additional surveys are planned, including two in Hawaii conducted by EWPI (Fawcett, assistant director for professional education, Fred Arnold, and Gardner) and three in the Philippines conducted by the Institute of Philippines Culture (Ricardo Abad and Benjamin Carino). One of the project's aims is to examine how development policies in the Philippines and immigration policies in the U.S. influence the decision to migrate.

A paper on the design and goals of the Philippines Migration Study was presented by Fawcett in April at the annual meeting of the Population Association of America. Arnold and Gardner gave a seminar on "Microlevel Migration Decision Making" at the University of the Philippines in July. Gardner and Research Fellow Gordon De Jong completed editorial work on an Institute-sponsored book, Migration Decision Making, to be published in 1981.

Another Institute activity focuses on female migration and the impact of urban life on women. The increasing proportion of single women in rural-to-urban migration streams reflects a major social change in many Asian countries, and the status of women in cities is a significant policy concern. These issues are reviewed in a forthcoming Institute-sponsored book, Women in the Cities of Asia, which is based on a meeting held in FY 79. A follow-up workshop on female migration was held in FY 80, coordinated by Research Associate Siew-Ean Khoo and Fellow Nasra Shah. Related research is being carried out by Shah, as part of a broader study of women in Pakistan, and by Smith in connection with a study of the segmentation of urban labor markets. Smith presented a paper on his study at a meeting on female migration at the Population Council in New York in December.

The importance of temporary and repetitive population movements, such as commuting and seasonal migration, is highlighted in the work of Research Associate Murray Chapman. The policy significance of such population movements, which are often neglected in migration studies, was discussed in a paper presented by Chapman at a conference on Population Mobility and Development held at The Australian National University. In addition, Chapman was a discussant for a migration session at an international meeting on Population Science in the Service of Mankind and he contributed a review article on "circulation" to the International Encyclopedia of Population. During FY 80 Chapman was awarded a Visiting Fellowship at the Australian National University, which facilitated completion of his work as co-editor of two forthcoming volumes on circular mobility in developing countries.

Research on particular migration streams or groups of migrants was conducted by several staff, fellows, interns, and degree students. Hagen Koo, fellow, completed a study of Korean immigration to the United States. Gardner, with Research Assistant Paul Wright, analyzed patterns of immigration to Hawaii. Shui Meng Ng, graduate degree student in sociology, collected data on Indochinese refugees in Hong Kong, Thailand, and Malaysia. Paula Jones-Fuller, degree student in public health, began a study of the Lao immigrant community in Los Angeles; Eddie Chung-shing Chow, a geography degree student, began a study of Chinese immigrants in New York. The history of Filipino immigration to the U.S. was reviewed by Maria Fe Caces, research intern. Andrew Kim, a joint doctoral intern, collected data in Hawaii on the

adjustment of Korean immigrant students. Another Joint Doctoral Intern, Durga Ohja, analyzed surveys he conducted on resettlement in Nepal. A comparative study of migration policies in Australia, New Zealand, Sri Lanka, and Thailand was conducted by Kurt Weigelt, a degree student in political science. Arnold co-authored a forthcoming World Bank paper on motivations for internal migration in Thailand and gave a seminar at the University of Michigan on immigration to the United States.

Plans for regional-level collaboration were advanced during FY 80. Fawcett participated in the first meeting of the Advisory Committee on Migration and Urbanization of the U.N. Economic and Social Commission for Asia and the Pacific (ESCAP). He also met with the coordinator of the regional migration project sponsored by the Association of Southeast Asian Nations (ASEAN). A workshop on migration survey analysis, to be jointly sponsored by EWPI, ESCAP, and ASEAN, is planned for FY 82.

PI PROJECT 5: POLICY AND PROGRAM ANALYSIS

Many nations in the region are responding to their population problems by adopting explicit programs and policy initiatives. Project objectives are to analyze the effectiveness of existing population policies and programs and to develop designs for improved policies and programs. Accomplishment of these goals involves extensive collaboration with international, governmental, and private agencies, as well as individual scholars and policy makers.

The objectives for this project in FY 80 were:

1. To examine the role of population policies and programs in demographic change.
2. To assess the demographic and socio-economic implications of population policies and programs.
3. To apply various techniques of program planning and evaluation to promote better designs of family planning programs, with particular attention to the development of a more efficient delivery system.
4. To increase awareness in the public sector of relationships between government policies and programs and population change.

Project Accomplishments

The field operation of the Korean Population Policy and Program Evaluation Study (KPPPEs) a joint research effort of Don-A University, Korean Institute for Family Planning, Chyu Development Institute, Cheju Provincial Government, Korean Government, and EWPI, in Cheju Province, the Republic of Korea, was concluded in December 1979. This activity involved instituting a new delivery system of family planning services for 40 months so that the effects of such a system could be tested. A report on the fieldwork has been prepared with the assistance of George Worth. Preparations were made for a survey to measure the effects of the system in Cheju and a control area to be carried out in November 1980 in conjunction with the national census-taking.

Institute staff collaborated with Charles Westoff and Noreen Goldman from the Office of Population Research, Princeton University, on the analysis of the determinants, prevalence, and demographic significance of contraceptive sterilization using data from the World Fertility Survey. The research resulted in publication of a paper on the prevalence and demographic significance of sterilization in Fiji, the Republic of Korea, and Sri Lanka. Another paper on the recent demographic history of sterilization in Korea is being prepared for publication.

Research on the determinants of contraceptive use in Indonesia and the role of the family planning program continued during FY 1980. Research Associate Siew-Ean Khoo worked with Professor Ronald Freedman of the University of Michigan on data analysis and preparation of a paper for publication next year.

Two visiting fellows, Duck-Woo Nam and Kong-Kyun Ro, worked with Director Lee-Jay Cho to examine the relationship between population policy and economic development in Korea. The study was a review of Korean development in the context of population policy.

A research project on the comparability of controlled growth and full employment in Hawaii was initiated with partial funding from the State of Hawaii Commission on Population and the Hawaiian Future. Comparison of population growth and employment patterns in Hawaii with those of the U.S. mainland states and other countries suggests that unemployment rates in the U.S. and in Hawaii in particular depend very little on the rate of population growth. The research currently focuses on a detailed look at unemployment rates among various groups in Hawaii, specified by geographical, socio-economic, ethnic, and demographic characteristics, and will continue into FY 1981. Institute staff conducting this study are Assistant Director for Graduate Study Robert Retherford, Research Assistant Robin Loomis, and Community Population Specialist Eleanor Nordyke.

Various aspects of family planning programs were examined in three separate studies by a student and two visiting fellows. William Schaedel, EWPI student, spent five months in Sri Lanka to gather data for his master's thesis in geography. His study dealt with policy considerations and strategies in the location of family planning clinics in Sri Lanka. Nancy Williamson, Research Advisor to the Bohol Province Maternal and Child Health-Based Family Planning Project in the Philippines, spent a month at the Institute to complete a report on the research program connected with the project. Another fellow conducting research on family planning programs is Professor T.R. Balakrishnan, Director of the Population Studies Center, University of Western Ontario, who is analyzing family planning data from Thailand.

Two Institute staff members also served as resource persons for external studies on policy and program issues. Research Associate Peter C. Smith was consultant on a Philippines-government-sponsored program to assess the social and economic impact of development programs in the Philippines. Khoo served as a resource person for a meeting sponsored by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) to review ESCAP's regional study on the impact of family planning programs on fertility. The Republic of Korea, Indonesia, and Sri Lanka are participating in the study.

A special program on population, resources, and development was held September 22-25, 1980 for seven parliamentarians from Malaysia who were on a study mission sponsored by the United Nations Fund for Population Activities. Presentations by EWPI and RSI staff described ongoing Center research and activities on population, development and policy issues.

Nine research papers were prepared by Institute staff and project participants. Seven of the papers have been published, and two have been accepted for publication in a journal next year.

PI PROJECT 6: ELEVENTH SUMMER SEMINAR IN POPULATION

The annual Summer Seminar in Population provides an opportunity for professionals in population-related fields to share and expand their knowledge of population studies and demographic techniques.

The objectives of the Eleventh Summer Seminar were:

1. To explore the most up-to-date research methodologies and findings in specific areas of population research.
2. To broaden Institute contacts in the Center region through widespread recruitment and open competition for participation.
3. To provide participants with a first-hand look at the population program and population research in the Philippines.

Project Accomplishments

Population specialists from 20 countries in Asia and the Pacific and from the United States participated in the Eleventh Summer Seminar in Population held at the East-West Center and at the Population Center Foundation in Manila, Philippines. In 1980 106 people, including Seminar coordinators, resource persons, special lecturers, and regular participants took part in the Seminar program.

The Honolulu portion of the program consisted of four weeks of intensive workshops during June 2-27. Participants were organized into the following five workshops: (1) Behavioral Dynamics of Fertility Transition, (2) Rural/Agricultural Change and Demographic Processes, (3) Census Evaluation, (4) Collection and Analysis of Life History Data, and (5) Analysis of Female Migration. Each workshop included presentations by regular participants and special resource persons and discussions of specific topics related to the workshop focus. In many cases participants found the workshops to be an excellent forum for refining their own research theories and methodologies. In addition to the workshops, five general lectures and panel discussions were presented to the entire Seminar group.

For the first time, the Asian portion of the Seminar was held in Manila under the joint sponsorship of the Commission of Population, the Population Center Foundation, the University of the Philippines Population Institute, and the East-West Population Institute. The three broad topics covered during the week in Manila, June 28 to July 3, were: (1) Policymaking and Implementation: A Broad View of the Philippine Population Program; (2) Rural Development and Population in the Philippines; and (3) Population Research Utilization for Development Planning.

EAST-WEST POPULATION INSTITUTE

StaffDirector

Lee-Jay Cho, PhD, Sociology, University of Chicago, 1965. Received undergraduate education in political science at Kookmin College in Seoul. Earned master's degree in public administration at George Washington University, Washington, D.C. In addition to being Institute Director and Research Associate, is Adjunct Professor of Sociology at University of Hawaii. Member of the Committee on Population and Demography, National Academy of Sciences; the International Statistical Institute, The Hague-Voorburg; and the U.S. Census Bureau Advisory Committee on the 1980 Census. Research interests: demographic estimation, demographic transition, human ecology, and population policy.

Assistant Director for Graduate Study/Research Associate

Robert D. Retherford, PhD, Sociology, University of California at Berkeley, 1970. Holds affiliate graduate faculty appointment in Sociology, University of Hawaii. On leave from the East-West Center, 1970-71, as Post-doctoral Fellow at Institut National d'Etudes Demographiques in Paris. During a second leave in 1971-72 served as consultant to Economic Commission for Asia and the Far East in Bangkok, Thailand. Was Assistant Director for Professional Development during 1974-78. Appointed as Assistant Director for Graduate Study February 1, 1980. Research interests: demographic estimation, demographic transition theory.

Assistant Director for Professional Education/Research Associate

Fred Arnold, PhD, Economics, University of Michigan, 1972. A graduate of Harvard University, University of Chicago, and University of Michigan. Joined Institute in 1971; was Visiting Demographer at National Statistical Office, Bangkok, Thailand, 1974-76; was Research Director of U.S. House of Representatives Select Committee on Population in 1978. Holds affiliate graduate faculty appointment in Population Studies, University of Hawaii. Research interests: value and cost of children, internal and international migration, sex preference, survey methods, Thailand.

Research Associates

Burnham Campbell, PhD, Economics, Stanford University, 1961. Adjunct Research Associate, holding appointment as Professor of Economics and Director of the Center for Development Studies of the Social Science Research Institute, University of Hawaii. Lived for two years in Thailand, working for the United Nations and teaching at Thammasat University. Research interests: collaborative project with researchers in Thailand, Korea, Indonesia, the Philippines, Japan, Malaysia and Singapore on demographic change and the needs and demands for housing.

Murray Chapman, PhD, Geography, University of Washington, 1970. A New Zealander educated at the University of Auckland, Victoria University of Wellington, Cornell University, and University of Washington. Joined the Institute in September 1969, and holds joint appointment at University of Hawaii as Professor of Geography. Previously taught at University of Auckland and Victoria University in New Zealand, and at the University of Washington. On leave of absence, August-December 1979, at Australian National University. Research interests: population movement, field methods, Melanesia.

James T. Fawcett, PhD, Social Psychology, University of California at Berkeley, 1965. Joined Institute in August, 1971, after serving with the Population Council for six years, including four years as Representative in Thailand. Became Assistant Director for Graduate Study in September, 1972, and held joint appointment as Associate Professor of Psychology at the University of Hawaii until 1974. Was the Population Council's Senior Representative for East and Southeast Asia in Singapore from June, 1974, until he rejoined Institute in May, 1978. Currently holds appointment as affiliate graduate faculty in Psychology, University of Hawaii. Research interests: value and cost of children, motivation for migration and migrant adaptation, East and Southeast Asia.

Griffith Feeney, PhD, Demography, University of California at Berkeley, 1972. Holds affiliate graduate faculty appointment in Department of Sociology, University of Hawaii. Received undergraduate education at Antioch College in Ohio; earned master's degree in demography at UC Berkeley. During 1966-67 served with Volunteers in Service to America, later as trainee with University of Michigan Population Studies Center. Joined research staff of the Population Institute in September, 1972; was Assistant Director for Graduate Study from July, 1975, to October, 1977. Research interests: development and application of incomplete data estimation techniques to Asian populations.

Roland J. Fuchs, PhD, Geography, Clark University, 1959. Adjunct Research Associate, holding appointment as Professor and Chairman, Department of Geography, University of Hawaii. Earned bachelor's degree at Columbia University and master's degree from Clark University. Was post-doctoral student at Moscow State University, 1960-61. Research interests: population redistribution policies, urbanization, and regional development.

Gary A. Fuller, PhD, Geography, Pennsylvania State University, 1972. Holds joint appointment as Associate Professor of Geography at University of Hawaii. Received bachelor's degree from State University of New York in 1964. Research interests: fertility control, population policy, migration.

Robert W. Gardner, PhD, Demography, University of California at Berkeley, 1974. Holds joint appointment as Assistant Professor of Public Health, University of Hawaii. Earned bachelor's degree at Stanford University and master's degree from University of California at Berkeley. Spent five months as Ford Foundation consultant in Pakistan in 1974. Research interests: migration and urbanization, Pakistan.

Siew-Ean Khoo, ScD, Population Sciences, Harvard University, 1977. A Malaysian, received BA at Radcliffe College and MSc at the Harvard School of Public Health. During 1976-77 was Joint Doctoral Intern at the East-West Population Institute. Joined Institute in 1978, holds affiliate graduate faculty appointment in Population Studies, University of Hawaii. Research interests: population and family planning evaluation, female migration.

Peter Kunstadter, PhD, Anthropology, University of Michigan, 1961. Adjunct Research Associate, holding graduate affiliate faculty appointment in School of Public Health, University of Hawaii. Joined Institute in 1974, after serving as Associate Professor of Anthropology and Epidemiology at University of Washington. Received undergraduate education at University of New Mexico and master's degree from Cornell University. Research interests: social structure, social change, medical anthropology, human ecology, Thailand, Indochina.

Linda G. Martin, PhD, Economics, Princeton University, 1978. Received AB in mathematics from Radcliffe College and master's degree in public affairs from the Woodrow Wilson School, Princeton University. Prior to joining the Institute in February, 1979, was Staff Research Director of the U.S. House of Representatives Select Committee on Population. Holds joint appointment as Assistant Professor of Economics, University of Hawaii. Research interests: economic demography, measurement techniques.

Andrew W. Mason, PhD, Economics, University of Michigan, 1975. Joined Institute in 1975, with joint appointment as Assistant Professor of Economics, University of Hawaii. Received master's degree in economic demography from University of Michigan. Research interests: models of household behavior, demographic aspects of saving, economic growth and population change.

James A. Palmore, PhD, Sociology, University of Chicago, 1966. Holds joint appointment as University of Hawaii Professor of Sociology and is Director of University's Population Studies Program, College of Arts and Sciences. Received bachelor's degree from Antioch College and master's degree in sociology from University of Chicago. Before joining Institute in 1970, was Research Associate with Population Studies Center and Center for South and Southeast Asian Studies, as well as Assistant Professor of Sociology, University of Michigan. Served as Senior Demographic Advisor to Malaysian Government in 1966-67. Research interests: demographic methods and surveys, statistics, fertility and family planning, Malaysia, Philippines, Republic of Korea.

Chai Bin Park, MD, Medicine, Seoul National University, 1949, and DPH Public Health, University of California at Berkeley, 1959. Holds joint appointment as Professor of Public Health, University of Hawaii. From 1962 to 1966 was Statistical Consultant for World Health Organization in Brazil and Jamaica. Joined Institute in 1970. On leave, 1979-80, as consultant to Korean Institute for Family Planning in Seoul. Research interests: measurement of fertility, population program evaluation, methodology in population analysis, life table techniques, Republic of Korea, Hawaii.

Peter N.D. Pirie, PhD, Geography, Australian National University, 1963. A New Zealander. Holds joint faculty appointment at the University of Hawaii as Professor of Geography. Received bachelor's and master's degrees at University of Auckland. Joined the Population Institute in 1970; appointed Assistant Director for Graduate Study, July 1974. On leave, 1975-77, as Visiting Professor at the Faculty of Economics and Administration, University of Malaya, sponsored by the United Nations (UNFPA). Resigned from Assistant Director position July, 1979 to work with Pacific Islands Development Program of the Center. On leave, 1980 to accept appointment with the United Nations in Malaysia. Research interests: population-resource relationships, census methods, historical demography, Pacific Islands (particularly Polynesia), Malaysia.

Peter C. Smith, PhD, Sociology, University of Chicago, 1970. Holds affiliate graduate faculty appointment in Sociology, University of Hawaii. Came to Institute in 1975 from the Ford Foundation; from 1970 to 1975 was consultant to Population Institute, University of the Philippines. Received undergraduate training in history at Marquette University and a master's in demography from University of the Philippines. Research interests: historical demography, nuptiality patterns, social and geographic mobility, Philippines.

Chi-hsien Tuan, graduate study in demography and statistics, 1955-57, at Princeton University with additional work at London School of Economics under Ford Foundation grant. Research Assistant in Taiwan survey of land use, agricultural economics and population, 1948-51; assistant for Princeton University surveys on Taiwan, 1952-55; Research Fellow, National Institute of Agricultural Economics, Beijing, 1958-61; Beijing Teacher's Training College, 1961-73; Consultant and translations, Hong Kong, 1973-80; joined Institute May 1980. Research interests: population policy and planned birth programs in China.

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Pacific Islands Census Planning Meeting

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Seventh Population Census Conference

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ANALYSIS OF POPULATION GROWTH PROJECT

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China Population Estimation Workshop

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Analysis of Population Growth Activities

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CAUSES AND CONSEQUENCES OF DEMOGRAPHIC BEHAVIOR PROJECT

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Fertility-Decision Making Workshop

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Planning Workshop on Population

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Population Change and Economic Development Workshop

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Causes and Consequences of Demographic Behavior Activity

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URBANIZATION, MIGRATION AND DEVELOPMENT PROJECT

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Intermediate Cities in Asia Meeting

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Meeting of Filipino Migration Study

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POLICY AND PROGRAM ANALYSIS PROJECT

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Revision of Census and Survey Analysis Activity

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Policy and Program Analysis Activities

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Special Program on Population Resources and Development

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Ramlah Hadji Muda, Malaysia

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ELEVENTH SUMMER SEMINAR IN POPULATION

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PUBLICATIONS AND OTHER PRODUCTS

Development and Application of Techniques in Censuses, Surveys, and Vital RegistrationPapers

No. 63. Retherford, R.D., Chintana Pejaranonda, Lee-Jay Cho, Apichat Chamratrithirong, and Fred Arnold. "Own-Children Estimates of Fertility for Thailand Based on the 1970 Census." November 1979.

Reprints

No. 119. Feeney, Griffith. "Estimating Infant Mortality Trends from Child Survivorship Data." Reprinted from Population Studies, March 1980.

Asian and Pacific Census Forum

Vol. 6, No. 2, through Vol. 7, No. 1. Articles related to Project 1 by EWPI staff and fellows:

Banister, Judith. "Use and Abuse of Census Editing and Imputation," APCF, February 1980.

Brass, William. "A Procedure for Comparing Mortality Measures Calculated from Intercensal Survival with the Corresponding Estimates from Registered Deaths," Asian and Pacific Census Forum, November 1979.

Brass, William, and Subramania Swamy. "Measurement of Death Registration Completeness Using the Growth Balance Procedure Applied to Data from India," APCF, August 1980.

Chakravorty, K.K. "Seventh EWPI Population Census Conference," APCF, November 1979.

Gould, Elizabeth B. "U.S. Census Bureau Weighs Undercount Adjustment," APCF, May 1980.

Retherford, Robert D., Apichat Chamratrithirong, and Anuri Wanglee. "The Impact of Alternative Mortality Assumptions on Own-Children Estimates of Fertility for Thailand," APCF, February 1980.

Other Publications

Levin, Michael J., and Paul A. Wright. Report on the 1974 Census of American Samoa, Part 2: Analysis.

Khoo, Siew-Ean. "The Prevalence and Demographic Analysis of Sterilization: A Report of the Workshop on Methodological Aspects of Sterilization." Joint publication of EWPI and the International Union for the Scientific Study of Population. IUSSP Paper No. 17. 1980.

Analysis of Population GrowthPapers

Westoff, Charles F., Noreen Goldman, and Minja Kim Choe. 1980. "Prevalence and

Demographic Significance of Contraceptive Sterilization in Fiji, the Republic of Korea, and Sri Lanka." Papers of the East-West Population Institute: 66.

Asian and Pacific Census Forum

Mason, Janet Fox. 1980. "China Scholars Discuss Population Issues." Asian and Pacific Census Forum 7(1):1-2, 9-11.

Other Publications

Cho, Lee-Jay, Sam Suharto, Geoffrey McNicoll, and S.G. Made Mamas. 1980. Population Growth of Indonesia: An Analysis of Fertility and Mortality Based on the 1971 Population Census. Honolulu: University of Hawaii Press.

Coale, Ansley J., Lee-Jay Cho, and Noreen Goldman. 1980. Estimation of Recent Trends in Fertility and Mortality in the Republic of Korea. Committee on Population and Demography, Report No. 1. Washington, D.C.: National Academy of Sciences.

Palmore, James A. and Mercedes B. Concepcion. 1980. "Fertility Preferences and Contraceptive Use." Proceedings of the 1980 World Fertility Conference. London: World Fertility Survey (in press).

Panel on Thailand. 1980. Fertility and Mortality Changes in Thailand, 1950-1975. Committee on Population and Demography, Report No. 2. Washington, D.C.: National Academy of Sciences.

Rindfuss, Ronald R., Larry L. Bumpass, James A. Palmore, and Dae Woo Han. 1980. "The Transformation of Korean Childspacing Practices." (submitted for publication).

Shah, Nasra and James A. Palmore. 1980. "Desired Family Size and Contraceptive Use in Pakistan." International Family Planning Perspectives 5(4):143-150.

Smith, Peter and Nasra Shah. 1980. "Non-familial Roles of Women and Fertility: Pakistan and the Philippines Compared." (submitted for publication).

Causes and Consequences of Demographic Behavior

Papers

No. 60-B. Bulatao, Rodolfo A. "Further Evidence of the Transition in the Value of Children," November 1979.

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Resource Systems Institute

Harrison Brown, Director

Among the most severe problems facing humanity today are those of obtaining adequate and predictable supplies of food, energy, and raw materials. These problems are intimately interrelated, and they affect in varying degrees all people in all countries. Today, possibly as many as a billion people in the world do not receive enough food. In recent years, the economies of both developing and developed nations have been shaken by rapid increases in the price of crude oil. The economies of a number of developing countries have also been disrupted by sharp fluctuations in the prices of commodities which they must export if they are to develop.

The problems of resources are intimately linked with the concepts of both "stability," which is needed for the present good, and with "resilience," which is needed for the future good. A basic need then, both national and international, is for agreements and procedures around which the kinds of interdependencies mentioned above can be directed in order to optimize stability and resilience. Whether living in developing or developed countries, people need to avoid unnecessary disasters, learn from mistakes, and be flexible enough to cope with future uncertainties.

Thus the program of the Resource Systems Institute (RSI) of the East-West Center is directed to the overall goal of understanding how nations can maintain adequate, equitable, and reliable access to resources. This effort is intended to explore feasibility, advantages, and costs of moving the resource systems of the East-West area toward greater stability and resilience. In order to do so, the program of the Resource Systems Institute consists of a broad study of three interrelated projects described as follows:

1. Food Systems builds knowledge about the dynamics and interdependencies of food flows, foreign exchange, and demands for energy and raw materials; explores ways for food-importing nations to develop diversified food systems and to improve utilization of available food; does research on less energy-intensive methods of food production; and evaluates alternative policies of pricing and land use.
2. Energy Systems provides analyses of the vulnerabilities of nations to disruptions in the flow of fuels; collects and analyzes data on energy supply, demand, and flows, especially those in rural areas; evaluates alternative development policies on a variety of energy systems and develops energy-indexing methodologies and information exchange both within and among nations.
3. Raw Materials Systems is concerned with the identification and evaluation of policy and strategy options that will benefit nations from the exploration and development of their mineral resource potential. The main research areas are: mineral assessment for national planning, innovative government-transnational company arrangements, uncertainties in future commodity trade, and case histories of mineral projects.

International teams are working with RSI staff to conduct research on these three systems. A series of data bases and information-exchange facilities are being developed to support their research. On an interdisciplinary basis, the various project teams will explore these problems, stressing their interrelationships in both local and international terms in the Asian and Pacific region.

RSI PROJECT 1: FOOD SYSTEMS

The overall objective of the Food Systems Project is to clarify how nations can meet the food needs of the most people in a manner that is consistent with socio-economic goals, ecological sustainability, and international stability. This goal will be addressed through sequences of cooperatively planned activities designed to examine problems and clarify the systematic nature of the food economy.

Project Accomplishments Related to Objectives

Objective 1: To identify alternative transnational arrangements which encourage coordinated medium- and long-term trade planning among East-West nations in agriculture and agro-industry in order to strengthen regional food security (Dynamics of Food Flows).

The Working Group on Food Security coordinated by Research Associate Rodney Tyers has concentrated on addressing objective 1. Included in that group are Senior Fellow Anthony Chisholm and several interns and students. Research by that group has been organized into five separate but related activities. Three of the activities center on the markets for specific food commodities (fish, soybeans, and grain) which are important in Pacific Rim countries. The first of these activities emphasizes trends in the patterns of supply, while the second formulates a model for analyzing patterns of demand in importing countries. The third, a grain market study, investigates the complex mechanisms of price formation in international markets, with emphasis on their performance with respect to international efficiency. A fourth activity concentrates on the impact of national policies in the Philippines on food production and consumption. Finally, to establish the links between the issues addressed in these studies, a multi-commodity trade model has been developed, covering cereals and meat commodities and dividing the globe into 23 trading countries and regions. This model incorporates parameters reflecting government intervention in domestic markets and trade and is capable of measuring the short- and long-run impacts of this intervention on international market behavior.

Useful conclusions have so far emerged from the studies on food supply and demand in the Philippines, on fish supply patterns, and on international grain price formation. The activity emphasizing soybean demand and trade has progressed beyond the model formulation and testing stages. Field data collection has been completed and parameter estimation is underway.

A total of six Resource Systems Institute Working Papers have so far been produced. To share preliminary results with cooperating specialists from Pacific Rim countries and to plan further joint research, the Institute hosted a Workshop on Trans-Pacific Food Commodity Trade during the week of July 21, 1980.

Objective 2: To identify policy and institutional alternatives which can generate employment, income, and productivity requisite to creating sufficient levels of supply and demand to meet basic food and nutritional needs (Food Needs and Resource Allocations).

Objective 3: To identify various measures which enable food-deficient nations to develop more diversified and adaptable indigenous food production systems. Of prominent concern here will be improved food utilization and less petroleum-intensive energy technologies (Food Production Dynamics).

Progress on objectives 2 and 3 has consisted of intensive efforts to refine project scope, identify external funding sources, evaluate regional interest, and establish types of project infrastructure such as bibliographies, data bases, and the like. Seven activity areas are under development.

1. Food and the Urban Poor. Activities in FY 1980 focused on literature searches, informal discussions in the region, and exploratory meetings with several donor agencies. Arrangements have been made to sponsor a symposium and planning workshop in conjunction with the Pacific Science Association 1981 Intercongress. A joint doctoral intern from the University of Colorado, Gerald Barth, has begun research on food marketing in Davao (Philippines). Research Intern Barbara Chapman has begun work to assist the Institute in reaching an appropriate and feasible focus for the project. The activity is coordinated by Research Associates Bruce Koppel and John Bardach.

2. Resource Management Options for the Coastal Wetlands, Related Rivers, and Near-shore Seas of Tropical Asia. Activities in FY 1980 focused on intensive field and Honolulu-based discussions to select appropriate countries and types of marginal areas for project development. A cooperative working agreement has been developed with the Agricultural Development Council in Indonesia for research related to the economic status of coastal wetland areas in South Sumatra and South Kalimantan. Joint Doctoral Interns Geoffrey Wiggin from the University of Hawaii and Greta Watson from Rutgers University are engaged in research on rice-coconut agriculture in the peat swamps of Sumatra and Kalimantan. An informal meeting on Socioeconomic Research in Marginal Areas of Indonesia was held in Honolulu in August 1980. Substantial efforts were made to identify appropriate sources of external funding for longer-term project support. Interaction with the Energy and Raw Materials projects has been intensive because of a special concern for integrated resource assessment in the wetlands. This activity is coordinated by Koppel.

3. Agricultural Organization in the Village. A research planning meeting was held in Honolulu in November 1979. Research Interns Marilou Uy and Vivien de La Torre worked with the coordinator of this activity, Research Associate James Roumasset, to produce a number of papers which have been submitted for external publication. Attempts to find desired levels of external funding for this activity were not successful. The activity will therefore be incorporated in activity No. 2 in the latter part of FY 1981.

4. Famine Warning Systems. This activity was completed in FY 1980 with the departure of the coordinator, former Research Associate Bruce Currey. A major international annotated bibliography was produced. A monograph was written which reported on research conducted in collaboration with the Ministry of Relief and Rehabilitation (Bangladesh). Research was conducted and published on famines in the Pacific. Research Intern Chan Suk Park assisted in setting up the GIMMS computer mapping program package, and a user's manual was drafted. The draft of a book entitled Famine Warnings: The State of the Art was completed.

5. Territorial Indicator Systems for Development Planning. This activity was coordinated by Fellow Charles Schlegel. The activity includes a working group on Food System Data Bases. The working group established a global data base, building on data provided by the World Bank, the Food and Agriculture Organization of the United Nations, and the International Energy Agency. A user's manual was produced as a Technical Memorandum. A conference on sub-national indicator systems and their utility for resource system planning was held in Thailand in April 1980 with the cooperation of the Ford Foundation and the National Statistics Office of Thailand. Planning proceeded on connections between interests of the Food project in integrated impact assessment and the design, management, and use of statistical systems.

6. Biological Nitrogen Fixation. As part of a concern for alternate food system futures, the Institute devoted considerable effort to framing a project to consider the institutional and policy implications of major changes in agricultural science, especially as it relates to biological nitrogen fixation and basic non-leguminous food crops such as rice and corn. Links were established for a project focused on

the United States and the Philippines, and negotiations for external funding were initiated. This activity is led by Research Associate Robert Randolph.

7. Research Policy. It is probable that there is a declining technical and socio-economic capacity in the U.S. land grant system to program internationally. The Institute is at a very early stage of considering how best to approach this problem. Research Interns Edward Oasa and Joanne Baldine worked on different dimensions of the problem, and early discussions were initiated in the United States and Asia to move toward appropriate project definition. This activity is led by Koppel.

Project Team: Bruce Koppel (project leader), Saleem Ahmed, John Bardach, Anthony Chisholm, Bruce Currey, Gary Hansen, Robert Randolph, James Roumasset, Charles Schlegel, Rodney Tyers.

Cooperating Institutions: Agricultural Development Council, Indonesia; Agroeconomic Survey, Indonesia; Australian National University; BULOG, National Grain Agency, Indonesia; Bureau of Agricultural Economics, Ministry of Agriculture, Philippines; Cornell University, International Agricultural Development Program; Ministry Relief and Rehabilitation, Bangladesh; National Economic and Development Authority, Philippines; National Statistics Office, Thailand; NifTal, Program on Nitrogen Fixation for Tropical Agricultural Legumes, University of Hawaii; Seoul National University, College of Agriculture, Korea; Southeast Asian Center for Graduate Education and Research in Agriculture, SEARCA, Philippines; Thammasat University, Thailand; United States Department of Agriculture, International Economics Division; University of Hawaii, Department of Economics; University of the Philippines, School of Economics.

RSI PROJECT 2: ENERGY SYSTEMS

The purpose of this project is to help assure human well-being in the Asia-Pacific Region through development of the knowledge necessary to beneficially alter energy supply, delivery, and consumption systems.

Project Accomplishments Related to Objectives:

Objective 1: To continue to build the Asia-Pacific Energy Studies Consortium as an organization of cooperating institutions throughout the East-West area designed to facilitate the examination of common energy problems.

In February 1980, the Asia-Pacific Energy Consultative Group (APESC) met in Honolulu for a substantive conference on national energy planning and policy, and for a meeting of the APESC Steering Committee. Representatives from institutions of 14 countries and three international organizations participated. The papers given at the Conference are to be published in a special issue of Energy, the International Journal in early 1981 edited by the APESC Executive Secretary, Dr. Guy Pauker. Ir. Wijarso of the Department of Mines and Energy in Indonesia was elected Chairman of the APESC Steering Committee. A revised version of the Memorandum of Understanding drafted at the second APESC Conference in July 1979 was approved by the APESC Steering Committee. This Memorandum sets out the goals and organizational form of APESC and is being considered by the home institutions for formal ratification. Institutions in approximately one-third of the 16 countries involved in APESC had ratified it by October 1, 1980. An APESC IV conference is planned for May 1981 in Honolulu. The subject, as agreed to by the Steering Committee, is "Policy Tools for Efficient Energy Use." Arrangements are being made to again publish the contributed papers in the journal Energy.

Participating institutions are listed below.

Objective 2: To develop an intensive program of research focused on rural energy development problems and the energy-agriculture interface.

The Energy for Rural Development (ERD) research program is unique in having achieved organizational coherence in seven countries (Bangladesh, India, Indonesia, Nepal, Philippines, Sri Lanka, and Thailand) with a Secretariat located at the National Research Council of Thailand in Bangkok. It involves 58 planning and policy agencies, research institutions, and implementation agencies in these seven countries.

The Research Activity Plans formulated at Chiang Mai in February 1980, were consolidated at the July meetings into four Activity Sets to facilitate research integration and management. They are:

- I. Rural Development Objectives, Energy Needs Assessment, and Data Development
- II. Biogas: Technology, Assessment, and Social Organization
- III. Fuelwood: Technology, Assessment, and Social Organization
- IV. Solar and Other Systems: Technology, Assessment, and Social Organization

Country projects and proposals associated with each Activity Set are summarized in Table 1, listed by country to facilitate individual country review.

The ERD Secretariat, established by the ERD Steering Committee and the National Research Council (NRC) in cooperation with RSI, has issued research activity guidelines and has established procedures in consultation with country coordinators for follow-up funding presentations to international agencies. Inter-country coordinators for each Activity Set have issued prospectuses, pursuant to the established guidelines. A total of four workshops are to be held in FY 81 for the specific purposes of research review and methodology development decided upon at the July meeting. The subjects of the workshops are "Rural Energy Data Surveys," "Cost Reduction in Biogas," "Mass Selection of Fuelwood Species," and "Status of Solar Energy Technologies." All of these are planned to be held in Asia, as well as the Research Committee meeting scheduled for October 1980.

Ten research reports were completed by RSI in September for presentation to U.S. AID which has funded part of this effort. These form the first substantive outputs of the program and will be reviewed at the upcoming workshops in conjunction with the current reports of other institutions.

As a foundation for the cooperative program, an additional series of bibliographic reports was distributed in September. The first of these is the Thesaurus for Energy and Rural Development. The bibliography series, initiated by bibliographies on anaerobic digestion and solar icemakers, is based on this thesaurus and constitutes a critically-needed research instrument for the multicountry, multidisciplinary program. It will also help organize the Energy for Rural Development Information Network (ERDINET) being created by the program in Asia.

Three regional workshops for problem definition, research planning, and program decision-making have been held, with a total of 134 participants. Exchange of preliminary research work and preliminary definition of scope and methods for the cooperative program were accomplished at these meetings. Two workshops in Thailand, involving 45 participants, and one workshop in India, with 43 participants, were organized. In other participating countries, formal planning meetings as well as informal research consultations have been held for the purpose of sharpening problem definition and integrating in-country research approaches.

Seven research staff, fellows, and interns have been seconded or exchanged among participating institutions for research periods ranging from one to six months. Institutional planning for expanded exchanges of researchers starting in October 1980 is well advanced.

The ERD program has developed a framework for evaluating individual technologies based on renewable resources and, as an eventual output, for evaluation of the overall potential of renewable resources vis-a-vis fossil fuels. Components of the framework addressed in RSI Program Reports and under development by other participating institutions include basic organizational approaches to the local development of new energy technologies, formulation of relevant criteria for their assessment, field research and evaluation methods, and application of these methods in field experience.

Policy considerations influencing the adoption of such evaluation frameworks have been prominent in the cooperative planning of the ERD program. Ministries of energy, agriculture and rural development, science and technology, finance and planning, and human settlements have been actively engaged in these discussions. The active participation of such policy agencies assures careful consideration by each government of assessment procedures created and tested in the program.

The strong and relatively rapid mobilization of country support for the ERD program is testimony that rural energy policy concerns are already assigned high attention by governments in the region. Policymakers experience a need for avenues and methods for acquiring pragmatic knowledge and understanding of rural energy development needs and opportunities. The conjoining of energy and rural development represents in large part a new policy arena. Wide gaps in motivation, experience, and knowledge characterize this policy area. The ERD program's success, as reflected in Table 1, in creating links between the policy, technology, marketing, and production systems that relate energy sources and supplies to rural purposes and tasks opens new avenues for overcoming these gaps.

In each ERD country and in the overall program, a strong balance has been achieved among participating national planning and policy agencies, academic institutions, and public, as well as private, implementation agencies. Some 10 national policy agencies, 23 universities and specialized research institutes, and 25 implementation bodies are engaged in the program. Innovative combinations of professional specialization and organizational experiences are represented. While this enhances both the difficulty and the importance of effective coordination, it has resulted in effective interactions and synergy in program motivation and performance.

The ERD program has involved some participation from approximately one-half the RSI staff, as well as a number of students, fellows, and interns, and has produced more than 40 analyses, reports, and research planning documents during the year.

Objective 3: To examine and compare alternative strategies, including both centralized and decentralized energy technologies, for meeting regional energy requirements.

The Energy project continued to pursue this objective principally through work on the international petroleum market. RSI Fellows Cora Siddayao and Fereidun Fesharaki worked on prospects for the availability and price of petroleum in the future, likely changes in refining, shipping, and product mixes, and their impacts on developing countries within the region.

Kim Woodard, RSI research associate, completed a book on China's energy policies to be published with Stanford University Press in which he modeled China's energy supply system.

The Energy Compendium, a methodological development for assessing small-scale energy technologies, continued its development, culminating in two reports by Research Associate Kirk R. Smith and Fellow Michael Santerre as part of the ERD project mentioned above.

The Energy project initiated work on a jointly authored book entitled Energy in Asia: The Next Twenty Years to be completed and published in FY 81.

Objective 4: To collect energy balance statistics for the region, to build relevant data bases on energy flows, and to create an adequate energy indexing system in order to facilitate cross-national and inter-fuel comparisons.

In November 1979, a small workshop on Energy Indexing was held at RSI involving participants from Europe, North America, and Japan. This workshop explored the potential distortions of energy statistics by the indexing systems now in common use. This workshop was preceded by research by RSI Consultant Malcolm Slesser of the Energy Studies Unit, University of Strathclyde, who helped RSI to develop its energy analysis capability. Following the workshop, RSI Degree Student David Isaak undertook a research project to explore some of the suggestions made by the workshop participants.

The computerization of the RSI energy data base continued, using the World Bank data set as a starting point. In addition, the ERD program established a computerized bibliographic capability during the year.

Objective 5: To initiate a nuclear research team with membership from throughout the region to address common policy problems of nuclear power development and international nuclear control.

Work on problems and prospects of the nuclear fuel cycle continued with research done on risk analysis and nuclear waste. Research Associate Kirk R. Smith was appointed to a committee charged by the U.S. Nuclear Regulatory Commission to establish national risk standards for nuclear power systems. He also participated in joint Japanese-Australian discussions on nuclear issues held in Canberra in 1980. Two RSI students are beginning research on nuclear waste problems within the Pacific Basin.

Project Leader: Kirk Smith

Project Team: John Bardach, Harrison Brown, Fereidun Fesharaki, Gary Hansen, Richard Morse, Michael Santerre, Charles Schlegel, Corazon Siddayao, Yeh-Heng Yang.

Cooperating Institutions: Department of National Development and Energy, Canberra (Australia); Ministry of Planning, Dacca (Bangladesh); Ministry of Coal Industry, Beijing (China); Research Institute of Oil Exploration and Development, Beijing (China); Guam Energy Office, Government of Guam, Agana (Guam); Indian Institute of Management, Ahmedabad (India); Department of Mines and Energy, Jakarta (Indonesia); The Institute of Energy Economics, Tokyo (Japan); Korea Development Institute, Seoul (Korea); National Council for Science and Technology, Kathmandu (Nepal); Ministry of Energy, Wellington (New Zealand); Hydrocarbon Development Institute, Islamabad (Pakistan); Singapore Petroleum Company (Singapore); Chulalongkorn University, Bangkok (Thailand); Economic and Social Commission for Asia and the Pacific (ESCAP), Bangkok (Thailand); California Energy Commission, Sacramento, California (U.S.A.); Lawrence Berkeley Laboratory, University of California, California (U.S.A.); Pacific Resources International, Inc., Honolulu, Hawaii (U.S.A.); The Rockefeller Foundation, New York (U.S.A.); University of Hawaii at Manoa, Honolulu, Hawaii (U.S.A.); U.S. Department of Energy, Honolulu, Hawaii (U.S.A.); U.S. National Academy of Sciences, Washington, D.C. (U.S.A.); OPEC Secretariat, Vienna (Austria); Latin American Energy Organization (OLADE), Quito (Ecuador); Direccion General de Energia Secretaria de Patrimonia y Fomento Industrial, (Mexico).

RSI PROJECT 3: RAW MATERIALS SYSTEMS

The goal of this project is to support research that will provide policymakers and implementors with a more informed basis for the management of a nation's mineral resources to meet regional and national development goals. This includes research both on mineral policy options and on the physical distribution of resources.

Project Accomplishments Related to Objectives:

Objective 1: To provide an environment for the exchange of mineral policy information and an examination of alternative analytic tools.

The major activity was the presentation of 30 papers from participants representing 13 countries in a workshop on "Mineral Policies to Achieve Development Objectives" held at the East-West Center from June 9 to 13.

Workshop presentations covered a broad spectrum of topics ranging from country experiences in negotiating and implementing mining projects to descriptions of recent directions in the legal and fiscal framework of development agreements. Papers were presented summarizing the mining/petroleum policies of various Asia-Pacific countries, as well as the numerous geological and environmental constraints within which mineral development occurs.

A major focus of the workshop was on the ways in which nations perceive the role of mining/petroleum development vis a vis their national development goals. Given the diversity of resources in the Asia-Pacific region, it is not surprising that participants indicated a spectrum of viewpoints on the cost/benefits of extractive sector development. These viewpoints ranged from the simple maximization of government revenues to emphasis on the creation of employment/infrastructure/regional development. Within this spectrum of views, it became apparent that no single policy approach was adequate, on the one hand, to deal with a multinational-sponsored billion dollar copper project in Papua New Guinea, while, on the other hand, to serve the needs of small-scale, alluvial tin miners in Malaysia.

The reaction to this spectrum of policy needs has caused nations to enact separate and sometimes overlapping legislation to control various types of mining activities. The conference pointed out a clear need to improve the definitions and relationships between these segmented policies to achieve a consistent government policy toward the minerals industry which both contributes to national development and meets the distinctive character of the particular activity. Although a major concern of the workshop was on dealing with large, foreign-sponsored projects, it was apparent that similar exchanges would be useful on topics such as small mining, industrial mineral development, and offshore mineral deposits.

With regard to broader policy questions, the workshop participants agreed on the need for policymakers to better understand the motives and appraisal techniques used by investors. In particular, it appeared important to participants that governments more fully appreciate the decision-making process and develop criteria by which mining projects can be judged by offshore companies and financial institutions. Similarly, several participants pointed out the increasing importance to host governments of understanding the tax implications of various fiscal measures on tax liabilities in the home countries of investors.

Finally, workshop deliberations suggested the need for improved resource assessment programs--if the potential benefits, as well as disruptive costs, from mineral development were to be fully understood. Due to the long gestation period and massive scale of much mining activity, it was felt that comprehensive resource inventories were essential to long-term development planning and policy formulation. In this regard, current levels of exploration expenditure in the Asia-Pacific region are probably inadequate, given their favorable geology.

Objective 2: To provide a clearer understanding of the effectiveness of alternative taxation methods for mineral resources.

During 1980 the Raw Materials project began preliminary research into the effect of alternative fiscal schemes on the perceived development potential of mineral deposits

located in the Asia-Pacific region. The fiscal measures under study included the traditional revenue mechanisms of royalties, corporate tax, depreciation, and direct equity participation, as well as the effects of more recent innovations such as resource rent taxes and production sharing. The goal of this research is to demonstrate both the range of fiscal options open to governments of the region and the consequences of each option for mining development. In particular, research is directed toward suggesting how different fiscal measures affect the perceptions of investors under conditions which are particularly important to the mining industry. These conditions include:

- the "grass roots" exploration versus later stage joint ventures avenues through which companies normally enter a mining project,
- the consequences of various fiscal schemes during periods of high inflation,
- the effect of various measures on the development of marginal mineral prospects,
- the effect which fiscal structure may have on the development of marginal ores or byproduct extraction,
- the implications which may result from different time preferences for revenue flows between investors and governments,
- the effect which fluctuating commodity prices and revenues may have on the effective utilization of government receipts from mining.

Due to the size, character, and offshore linkages of the mining industry, it is clear that many financial policymakers lack a full appreciation of the incentives/disincentives which otherwise satisfactory fiscal measures may have on the development of the extractive sector. Within this context of imperfect information, the project will demonstrate that apparently equivalent fiscal schemes (e.g., generating theoretically equal revenues to the government) can have vastly different effects on the manner and extent of mineral development in Asia-Pacific countries. Finally, the project is expected to suggest mechanisms by which both the government and the investor may trade-off financial returns for various types of project risk.

Objective 3: To summarize and publicize relevant and significant papers, discussions, and recommendations of the Fertilizer Flows Conference and its related workshops in order to provide policymakers and implementors with a more informed basis for the development and management of fertilizer resources.

The Fertilizer Flows Conference was held in August 1979 at the East-West Center to integrate a variety of international studies and individual research dealing with the topics of fertilizer marketing, fertilizer raw materials resources, and efficient fertilizer utilization. The major conclusions of the conference have been summarized in the 1979 EWC annual report. The papers that were presented at the conference, the panel discussions, and the recommendations that resulted from the conference were compiled and are being published as the Proceedings of the Fertilizer Flows Conference. Richard Sheldon, former research associate, and Saleem Ahmed and Yueh-Heng Yang, research associates, are editors of the volume.

During the week preceding the conference, three meetings were held: the Fertilizer Raw Materials Resources Workshop, Final INPUTS (Increasing Productivity Under Tight Supplies) Review Meeting, and the Fertilizer Marketing Workshop. The proceedings of the Fertilizer Raw Materials Workshop, edited by Sheldon and former Fellow William Burnett, have been published and distributed.

Extensive data on known fertilizer mineral occurrences in the region were compiled and presented in a separate volume. The volume includes 12 papers dealing with the

geology and distribution of phosphate, potash, and natural gas resources, listings of the known fertilizer mineral occurrences throughout the Asia-Pacific region, and accompanying maps detailing the locations and size of the deposits.

The theme of the final INPUTS review meeting "Adaptive Productive Systems" drew attention to the need to utilize basic research in developing products that would be of real benefit to the farmer. The proceedings of the meeting include the recommendations for follow-up studies, review papers of the third and final field research cycle, and other related papers that were presented at the meeting. Saleem Ahmed, former Fellow H. Gunasena, and Y.H. Yang were editors of this volume.

The conclusions and recommendations of the Fertilizer Raw Materials Project were an important contribution at the sixth session of the FAO Commission which was held in Rome in June 1980. A proposal adopted by the Commission concerning phosphate resources development included the following points that are in agreement with the project's research results:

The Commission recognized that economic phosphate rock reserves have increased continuously faster than their extraction but this process can be potentially accelerated by exploration to discover new economic deposits and by development of new mineral and fertilizer manufacturing technology to make subeconomic deposits viable. The Commission expressed concern that the potential phosphate resources of developing countries are not being identified in a timely manner.

The Commission endorsed the development of methodology for assessment of potential phosphate resources and of exploration technology, aimed primarily at development of phosphate resources of the developing countries, through a series of international geologic conferences under the IGCP (International Geological Correlations Program).

Objective 4: To examine the fertilizer marketing system in South Asia in order to better understand where important constraints exist and to suggest alternative policy instruments for improving this system.

A major marketing survey was completed covering 3,500 farmers and 700 village level fertilizer retailers in 500 villages in South Asia. Substantial assistance was given by organizations in host countries in the collection of data which is now being analyzed at the East-West Center with the use of computer facilities. Final results will be presented at a United Nations Economic and Social Commission for Asia and the Pacific workshop in April 1981.

Project Leader: Charles Johnson

Project Team: Richard Sheldon, Saleem Ahmed, Y.H. Yang, and Lee Jakeway.

Cooperating Institutions: The United States Geological Survey and other appropriate national and international organizations involved with various aspects of the raw materials system.

TABLE 1

ENERGY FOR RURAL DEVELOPMENT PROGRAM

Participating Institutions by Country and Type of Institution
September 1980

Type of Institution Country	National Policy Agencies			Academic Institutions		Implementing Agencies		
	Planning and Finance	Energy	Science and Technology	Scientific and Technological	Social and Institutional	Agriculture, Forestry and Rural Development	Technology Research, Development and Extension	Energy and Industry
Bangladesh	Planning Commission			Bangladesh Univ. of Engineering and Technology	Bangladesh Inst. of Development Studies	Department of Forestry	Institute of Fuel Research and Development, Bangladesh Council of Scientific and Industrial Research	
India			Department of Science and Technology	Madurai Kamaraj Univ. University of Kalyani	Indian Inst. of Management, Ahmedabad	District Forest Dept, Madurai	State Planning Inst., Lucknow Appropriate Technology Development Association Centre of Science for Villages. Central Salt and Marine Chemicals Research Inst.	Central Electricity Authority, Central Electronics Ltd. Jyoti Ltd.
Indonesia		Ministry of Mines and Energy		Inst. of Technology Bandung, Development Technology Center	Center for Strategic and International Studies	Bogor Agricultural Univ. Forest Products Research Institute. Directorate of Rural Development, Community Development Department		National Electric Co. Oil and Gas Technology Development Centre
Nepal	National Planning Commission		National Council for Science and Technology	Research Center for Applied Science and Technology, Tribhuvan Univ.		Agriculture Project Service Center		
Philippines		Ministry of Energy		Univ. of Philippines at Los Banos	Institute of Philippine Culture Development Academy of the Philippines	Ministry of Human Settlements		Center for Nonconventional Energy Development
Sri Lanka	Ministry of Finance and Planning. Ministry of Plan Implementation	Ministry of Power and Energy.	Ministry of Industries and Scientific Affairs	Univ. of Peradeniya		Department of Agriculture. Ministry of Mahaweli, Development and Forest Dept., Water Resources Board		Ceylon Electricity Board. Ceylon Institute for Scientific and Industrial Research, National Engineering Research and Development Organization
Thailand		National Energy Administration	National Research Council	Chulalongkorn Univ., Chiang Mai Univ., King Mongkuta Inst., Khon Kaen Univ., Mahidol Univ.	Institute of Agricultural Technology	Royal Forest Department, Department of Agriculture		
United States of America (U.S.A.)				Lawrence Berkeley Laboratories	Resource Systems Inst., Environment and Policy Inst., Univ. of Hawaii. State Univ. of New York. Univ. of California (Berkeley).		Volunteers in Technical Assistance	

EAST-WEST RESOURCE SYSTEMS INSTITUTE

StaffDirector

Harrison Brown, PhD Chemistry, Johns Hopkins University, 1941. Came to the Center in August 1977 from post as Professor of Science and Government at the California Institute of Technology. For many years served as Foreign Secretary of the National Academy of Sciences and as head of the Academy's World Food and Nutrition Study. Was President of the International Council of Scientific Unions from 1974 to 1976, and also a former faculty member with the University of Chicago's Plutonium Project and the Oak Ridge Laboratory. Special research interests: interrelationships between resources, technological change, and economic and social development.

Assistant Directors

John Bardach, PhD Zoology, University of Wisconsin, 1949. Served as Director of Hawaii Institute of Marine Biology; is now also Adjunct Professor at University of Hawaii; has chaired aquatic food sources team as part of the World Food and Nutrition Study of the National Research Council/National Academy of Sciences. A former faculty member at University of Michigan, is executive council member of the Pacific Science Association and board member of the Law of the Sea Institute. Special research interests center around the relationship of aquatic ecology to economics, including resources management aspects of extended maritime jurisdiction.

Robert H. Randolph, PhD History, Stanford University, 1978. Came to the Center from the International Institute for Applied Systems Analysis, Laxenburg, Austria, where he worked with an international team investigating technological change in agriculture and the links between food and energy systems; also initiated the first computer-assisted international team research linkages between the U.S.A., Austria, Poland, and the U.S.S.R. Earlier experience included technological forecasting, technology assessment, probabilistic simulation modeling, and teleconferencing system development. Special research interests: application of computer methods to RSI research and communication problems, specifically the exploration of long-term future alternatives for Asia-Pacific resource systems.

Research Associates

Saleem Ahmed, PhD Soil Science, University of Hawaii, 1965 (on East-West Center Scholarship). Came to the Center in 1973 from position as Senior Technical Services Advisor with a multinational fertilizer manufacturing and marketing firm in Pakistan. Was formerly on faculty of the University of Karachi. A Pakistani national, serves as a consultant on fertilizer marketing and management to several international agencies. Primary research interests: the area of food and agriculture including micro aspects such as inputs use and farmer decision making, and macro aspects such as rural dynamics, agri-business marketing, and management of human resource management.

Fredrich Burian, MA Philosophy, University of Hawaii, 1972. Served as Research Assistant in Chemistry departments at Wayne State University, Stanford University, and University of Hawaii. Holds certificate in Instructional Media Systems. Special research interests: the impact of graphic/kinetic information displays on policy formulation and the international flow of scientific information.

Bruce Currey, PhD Geography, University of Hawaii, 1979; MPH International Health, 1977. Was formerly Assistant Professor of Geography at University of Hawaii. From

1974-76 worked for Ministry of Relief and Rehabilitation, Government of Bangladesh, mapping areas liable to famine. Currently holds joint appointment with University of Hawaii as Assistant Professor at Geography Department, University of Hawaii. Special research interests: catastrophic breakdown of resource systems, famine warning systems, and vulnerable food systems mapping South and Southeast Asia.

Fereidun Fesharaki, PhD Economics, Surrey University, 1974. Served as Energy Advisor to the former Prime Minister of Iran, being responsible for the coordination of national energy policies, as well as international petroleum policy of Iran. Repeatedly served as member of the Iranian delegation to the OPEC Ministerial Conference. Has been a Research Associate at the Center for Middle Eastern Studies of Harvard University and a Research Fellow at the Institute for International Political and Economic Studies in Tehran. Has taught at the National University of Iran and was Director of the Energy Project, Institute of Economic Research, Tehran University. Special research interest: the international petroleum market and economic development in the Middle East.

Louis J. Goodman, PE, MS Civil Engineering, Harvard University, 1947. Came to the Center in 1971 after three years as Project Specialist in Engineering Education with Ford Foundation in the Philippines. Was formerly a faculty member at Ohio State and Syracuse Universities. Is a registered Professional Engineer and has served as consultant to government agencies, as well as architectural, engineering, and industrial firms working in variety of public works projects. Was Fulbright Professor in Egypt, 1964-65; and in Ecuador, summer 1967. Awarded honorary doctorate of engineering from Yeungnam University in Korea, 1976. Special research interests: the comprehensive policy problems associated with the planning and management of development projects.

Donald G. Green, PhD Extension/Adult Education, Cornell University, 1964; BS/MS Agricultural Education, Iowa State University, 1953-54. Joined the Center in 1971 after four years in India with the Ford Foundation. Was also associated with the Agricultural Development Council, with Stanford University in the southern Philippines, and was a short-term consultant to Jordan for FAO and UNDP. Special research interests: rural development with emphasis on alternative energy sources for agriculture and on improvement of quality of life in rural areas through better food systems.

Gary Hansen, PhD Political Science, University of California at Berkeley, 1971. Served as a staff member of the Ford Foundation from 1963 to 1965 in Indonesia. From 1969 to 1970 was a Fulbright Scholar in Indonesia. Special research interests: rural development policy administrative aspects of local development, and rural energy policy.

Charles J. Johnson, PhD Mineral Economics, Pennsylvania State University, 1972; MS Geology, University of California, Riverside, 1968. Served as Commonwealth Secretariat Minerals Consultant to the Tanzanian Government, 1979; Ford Foundation Minerals Consultant to the Botswana Government, 1976-79; Program Manager for minerals and energy, National Science Foundation, 1974-75; Energy Economist, Federal Energy Administration, 1974; and Corporate Strategy Analyst with a major Australian mining company, 1972-73. Special research interests: mineral policy and strategy formulation and application in developing countries with emphasis on technical and financial arrangements between multinational mining companies and governments.

Bruce Koppel, PhD Rural Sociology, Cornell University, 1973. Spent two years in the Philippines working in the University of the Philippines College of Agriculture/ Cornell University Graduate Education Program sponsored by Ford Foundation at Los Banos. Special research interests: technology assessments and social impact analyses, regional and rural development, and institutional aspects of food policy.

Peter Kunstadter, PhD, Anthropology, University of Michigan, 1961. Holds joint appointment with the Environment and Policy Institute and the Population Institute. Joined the Population Institute in 1974, after serving as associate professor of anthropology and epidemiology at University of Washington. Received undergraduate education at University of New Mexico and master's degree from Cornell University. Special research interests: social structure, social change, medical anthropology, and human ecology, Thailand, and Indonesia.

Richard Morse, MA Economics, Harvard University, 1958. Joined the Center as Research Associate in 1974. Was independent consultant on South Asia investment and industrial development, 1969-74; served with Economic Cooperation Administration and Ford Foundation in Burma, 1951-56. Also was consultant to Ministry of Industrial Development, Government of India, 1958-60 and 1964-66; and Senior International Economist, Stanford Research Institute, 1961-63 and 1966-69. Special research interests: local innovation, cooperative development, and socio-economic aspects of decentralized development paths.

Guy J. Pauker, PhD Social Sciences, Harvard University, 1952. Faculty member, Department of Government, Harvard University, 1950-56; Department of Political Science, University of California at Berkeley, and Chairman, Center for Southeast Asian Studies, 1956-63; Research Associate, Center for International Studies, Massachusetts Institute of Technology; 1952-56; Senior staff member, Social Science Department, the RAND Corporation, 1960-79; also Faculty Research Associate, Environmental Quality Laboratory, California Institute of Technology, 1970-74; consultant to various corporations and U.S. government agencies. Special research interests: resources policy and international cooperation in Asia.

James Roumasset, PhD Economics, University of Wisconsin, 1973. Taught microeconomics and public policy at University of California, Davis, 1972-76. Was Agricultural Development Council's representative to the Philippines, 1978-79. Spent seven years in the Philippines conducting research on farmer decision making and agricultural contracts and working directly with economic development projects. Currently holds joint appointment with University of Hawaii as Associate Professor of Economics. Teaching and research centers on agricultural development and the New Institutional Economics.

Richard P. Sheldon, PhD, Geology, Stanford University, 1956. Is Senior Research Geologist, U.S. Geological Survey (USGS). Came to the Center in December 1977 to take part in a collaborative program between the Institute and the USGS. Formerly served with USGS as Chief of the Branch of Organic Fuels, Chief of the Office of Mineral Resources, and then Chief Geologist. Is specialist in phosphate resources in the United States, Asia, the Middle East, and the Pacific. Was formerly Visiting Professor at Yale University and Colorado School of Mines. Primary research interests: geology of phosphate rock resources and fertilizer raw material resource systems.

Kirk R. Smith, PhD, Environmental Health Services, University of California, Berkeley, 1977. Was employed in the Energy and Resources Group at University of California, Berkeley. Served as Advisor to several state and national energy organizations. Has extensive lecturing experience in the Soviet Union and Eastern Europe. Special research interests: environmental and risk assessment, long-term impacts of coal and nuclear power systems, resource implications of national defenses, and the shift of temporal perspective due to technological changes.

Rodney Tyers, PhD, Division of Applied Sciences, Harvard University, 1978. Served with the State Electricity Commission of Victoria, Australia, modeling the environmental impacts of estuarial power station siting and of regional economic growth in rural coal mining areas. Consulted with the Operations Research Group, Baroda, India on Narmada River Basin development; with the Asian Development Bank on

agricultural analysis for energy planning in Bangladesh; with the Ford Foundation and Planning Division, Pakistan on research needs for agricultural development. Coordinator of the RSI Working Group on Food Security in Asia and the Pacific. Special research interests: the use of decision and simulation models for agricultural and commodity policy analysis with respect to domestic and international markets in the Asia-Pacific region.

Kim Woodard, PhD, Political Science with a specialty in international relations, Stanford University, 1976. Has areas of specialty in international relations, China's foreign relations, international energy policy problems, the politics of advanced technology, international organization, and nuclear policy. Special research interests at RSI in international energy policy problems and both the civilian and military aspects of nuclear development.

Yueh-Heng Yang, MS Food and Nutrition, 1946, and MA Agricultural Economics, 1947, St. Johns University, Shanghai. Has 25 years of progressively responsible professional experience with the Sino-American Joint Commission on Rural Reconstruction and with the United Nations Food and Agriculture Organization. Prior to joining the East-West Center, served as Deputy Director of the Caribbean Food and Nutrition Institute in Jamaica, and FAO Nutrition Officer in INCAP, Philippines, and Korea. Special research interests: food and nutrition policy, planning, and development of micro-level support programs.

Program Officers

Mendl Djunaidy, MA International Relations, Johns Hopkins University, 1968. As Program Officer, is primarily responsible for coordination of degree participants. Was formerly a Research Assistant at Brookings Institution and Institute for International Studies in Office of Education in Washington, D.C. before joining the East-West Center.

Kajorn Howard, MSc Nutritional Science, University of Hawaii, 1966. As Program Officer, is primarily responsible for coordination of professional development activities. Born in Thailand, received bachelor degree at Chulalongkorn University. Studied at Institute of Food Technology, London for 18 months and came to the University of Hawaii in 1962 as East-West Center student. From 1965 to 1969 served as a Research Assistant in Anthropology at Bishop Museum. Before joining the staff of the former Food Institute in January 1976, was a staff researcher with the Population Institute.

Writer/Editor

Barbara Yount, MA International Law and Relations, Columbia University, 1961: Writer/Editor. Before joining RSI in 1978, was Writer/Editor with the Communication Institute. Was Managing Editor of American Scientist magazine prior to coming to East-West Center as well as Researcher at Woodrow Wilson Institute of International Relations, Princeton University. Has received a Woodrow Wilson Fellowship, a Fulbright Scholarship, and a UNESCO Travel/Study Fellowship. While at the Center, has served as a consultant to several international organizations including the United Nations.

Associate Editor (Limited Appointment)

Cynthia Shklov, BA English, University of Hawaii, 1974. Writer/Editor. Worked at Communication Institute before joining RSI staff. Edits RSI newsletter.

Research Materials Collection

Donine S. Hedrick, MLS, University of California at Berkeley, 1975; BA Latin American and African History, Humboldt State University, 1974. Research Materials Specialist for the joint EAPI and RSI Research Materials Center. Studied Asia/Pacific history at Otago University, New Zealand, in 1967. From 1976 to 1979 was Head Librarian at the California Energy Commission in Sacramento responsible for developing a collection of materials on energy resources and the environment.

Rita Hong as Library Technician, is in charge of specialized documentary research and reference resource collection for use of staff and participants. Was formerly with East-West Center Library (now Asia Collection on University of Hawaii campus).

Administrative Assistant

Harriet Kusahara, Certificate, Accounting, Dietz Commercial School, 1941. Has been on staff of East-West Center since its inception in 1960. Before joining Center staff, was with the International Cooperation Center, a training center established in the Office of the Governor, State of Hawaii.

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FOOD SYSTEMS PROJECT

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Agricultural Organization in the Village: Planning Meeting

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Food Systems Societies and Territorial Indicators Conference

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Non-Western Governance Process Workshop

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Trans-Pacific Food Commodity Trade Workshop

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Food Systems Activities

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ENERGY SYSTEMS PROJECT

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Energy for Rural Development Research Workshop

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Energy for Rural Development Workshop

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Asia-Pacific Energy Studies Conference

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Energy Indexing Workshop

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Mineral Resource Management Workshop

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PUBLICATIONS AND OTHER PRODUCTS

Books and Monographs

Geothermal Energy Projects: Planning and Management by Louis J. Goodman and Ralph N. Love. An East-West Center book. New York: Pergamon Press, Inc., 1980.

Iran: Energy Policy After the Revolution by Fereidun Fesharaki. July 1980. 110 pp. London: The Economist Intelligence Unit, Spencer House.

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Reprint Series

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Working Paper Series

"Mechanism of Catastrophic Change of Price in a Commodity Market--A Case Study of the Soybean Market" by Hikoji Katano. March 1980. 60 pp.

"The Supply Response of Major Food Commodities in the Philippines" by Gil R. Rodriguez, Jr. September 1980. 15 pp.

"The Demand for Agricultural Commodities in the Philippines: A Brief Review" by Gil R. Rodriguez, Jr. September 1980. 27 pp.

"World Trade and Food Security in Asia and the Pacific Rim--A Multi-Commodity Stochastic Simulation Model" by Rodney Tyers and Anthony H. Chisholm. August 1980. 32 pp.

"The Economics of Information in Agricultural Commodity Markets" by Anthony H. Chisholm. July 1980. 47 pp.

"Revolution and Energy Policy in Iran: International and Domestic Implications" by Fereidun Fesharaki. February 1980. 37 pp.

"The Future of Oil and Gas in Large-Scale Energy Systems" by Corazon M. Siddayao. October 1979. 21 pp.

Program Report Series

Case Histories of Energy Projects for Rural Development by Louis J. Goodman, Ralph N. Love, John N. Hawkins, and Tetsuo Miyabara. September 1980. 304 pp.

Solar Icemaking for Rural Development: Technical Prospects by David T. Isaak. September 1980. 34 pp.

Application of the Fuel-Linked Energy Resources and Task (FLERT) Approach to Rural Household and Community Scale Anaerobic Digestion Systems by Michael T. Santerre and Kirk R. Smith. September 1980. 84 pp.

Criteria for Evaluating Small-Scale Rural Energy Technologies: The Fuel-Linked Energy Resources and Task (FLERT) Approach by Kirk R. Smith and Michael T. Santerre. September 1980. 80 pp.

Thinking About Energy and Rural Development: Methodological Guidelines for Socio-economic Assessment by Charles C. Schlegel and James Tarrant. September 1980. 27 pp.

Energy Analysis in Rural Regions: Studies in Indonesia, Nepal, and the Philippines by Raymond Atje, Deepak Bajracharya, Deanna G. Donovan, Bruce Koppel, and James Tarrant. September 1980. 170 pp.

Assessing Alternative Resources, Technologies, and Organizational Means for Meeting Rural Energy Needs by Richard Morse and Fereidun Fesharaki. September 1980. 56 pp.

Research Materials Series

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Thesaurus for Energy and Rural Development by Diane M. Pruett and Ted S. Toyoshiba, Jr. September 1980. 57 pp.

Periodicals

RSI Newsletter

The RSI Newsletter, issued quarterly, deals with four different subjects. Three issues are devoted to the Institute's three project areas (Food Systems, Energy Systems, and Raw Materials Systems). The fourth is a Synthesis Issue--a combination of all three projects. The RSI Newsletter describes new developments in each of the respective project areas, annotates new publications, and provides a calendar of Institute-wide events.

Vol. 2, no. 3 (Fall 1980): Food Systems Issue

Vol. 2, no. 2 (Summer 1980): Synthesis Issue

Vol. 2, no. 1 (Spring 1980): Raw Materials Systems Issue

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Fertilizer Mineral Potential in Asia and the Pacific: Proceedings of the Fertilizer Raw Materials Resources Workshop, Honolulu, Hawaii, August 20-24, 1979 edited by Richard P. Sheldon and William C. Burnett. Honolulu: East-West Center, 1980.

"International Agronomic Research: A Methodology for Pooling Data from Coordinated Studies" by Saleem Ahmed, Kazi S. Memon, Antonio Alcantara, and H.P.M. Gunasena. In Adaptive Production Systems-Proceedings: Final INPUTS Review Meeting, Honolulu, Hawaii, August 20-24, 1979 edited by Saleem Ahmed, H.P.M. Gunasena, and Y.H. Yang. Honolulu: East-West Center, 1980, pp. 235-241.

"Minerals Objectives, Policies and Strategies in Botswana: Analysis and Lessons" by Charles J. Johnson. Presented at the Workshop on Mineral Policies to Achieve Development Objectives, Honolulu, Hawaii, June 9-13, 1980.

"Multi-Locational Evaluation of Productivity and Stability of Some Cereal-Legume Intercropping Systems: A Review of INPUTS Trial III" by M.R. Rao, Saleem Ahmed, H.P.M. Gunasena, and Adelaida P. Alcantara. In Adaptive Production Systems-Proceedings: Final INPUTS Review Meeting, Honolulu, Hawaii, August 20-24, 1979 edited by Saleem Ahmed, H.P.M. Gunasena, and Y.H. Yang. Honolulu: East-West Center, 1980, pp. 123-160.

"Nitrogen Efficiency Study Under Flooded Paddy Conditions" by Yoshio Yamada, Saleem Ahmed, Adelaida P. Alcantara, and N.H. Khan. In Adaptive Production Systems-Proceedings: Final INPUTS Review Meeting, Honolulu, Hawaii, August 20-24, 1979 edited by Saleem Ahmed, H.P.M. Gunasena, and Y.H. Yang. Honolulu: East-West Center, 1980, pp. 39-74.

"Oceanic Phosphate Deposits" by William C. Burnett. In Fertilizer Mineral Potential in Asia and the Pacific: Proceedings of the Fertilizer Raw Materials Resources Workshop, Honolulu, Hawaii, August 20-24, 1979 edited by Richard Sheldon and William C. Burnett. Honolulu: East-West Center, 1980, pp. 119-144.

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"Taking the Take but not the Risk" by Charles J. Johnson. Presented at the Workshop on Mineral Policies to Achieve Development Objectives, Honolulu, Hawaii, June 9-13, 1980.

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"The Petroleum Production-Sharing Contract in Southeast Asia: Theoretical Issues" by Corazon M. Siddayao. Economics and Finance in Indonesia XXVIII, no. 2 (June 1980): 165-75.

"The Phosphate Supply System in the Pacific Region" by W.C. Burnett and A.I.N. Lee. GeoJournal 4, no. 5 (1980): 423-36.

"Regional Oil Dependency: Rising Oil Import Bills, the External Accounts, and NOILDC Development Policies" by Corazon M. Siddayao. Energy, the International Journal. December 1980 (in press).

"Research Cooperation Through Digital Networks: Options and Problems in the Pacific Region" by Robert H. Randolph. In Pacific Telecommunications Conference: Proceedings held January 7-9, 1980 at the Ilikai Hotel, Honolulu, Hawaii edited by Dan J. Wedemeyer. 1980, pp. 3A-11 to 3A-28.

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"Submarine Hydrocarbons in Southeast Asia: Resources, Environment, and Policy" by C.M. Siddayao. GeoJournal 4, no. 5 (1980):393-406.

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Environment and Policy Institute

William H. Matthews, Director

Governmental and private organizations are continuously adopting, adapting, and implementing policies designed to meet a broad range of human and societal needs. To be carried out, these policies often depend to a large degree on the use of some part of the natural environment--the biophysical systems and natural resources that constitute our planet. This environment is finite and responds to demands on it within the limits of the natural laws that govern it. The pressures of growing populations, rising expectations, and sophisticated technologies combine to make it difficult to meet the numerous policy objectives that rely on a common environment.

The dependence of people on the natural environment, coupled with the realization that use for one purpose can have consequences for additional uses, presents a significant challenge to those concerned with the sustained meeting of a variety of needs. The Environment and Policy Institute (EAPI) was established in October 1977 in response to this challenge. Through interdisciplinary and multinational programs of research, study, and training, EAPI seeks to develop and apply concepts and approaches useful in identifying alternatives available to decision makers and in assessing the implications of such choices.

There are three major elements of EAPI's work:

1. identification of issues, problems, and relationships of central concern in the region;
2. research on key subjects to provide contributions to knowledge and to develop analytical approaches and insights that have broad substantive and geographic applications; and
3. building and strengthening of professional capabilities within the region for studying and dealing with issues of environment and policy.

To conduct this work, EAPI has a core staff of permanent researchers and long-term visiting scholars drawn from a variety of disciplines and several countries of the region. This group is supplemented by graduate students, shorter-term visiting researchers, and numerous colleagues contributing through workshops and conferences and collaborative arrangements with institutions throughout the region.

EAPI has adopted a two-pronged approach:

1. examination of specific elements of the natural environment (e.g., forest lands, air quality, upland ecosystems, and fisheries) and their relationships to specific policy issues (such as, respectively, logging concessions, coal combustion, shifting agriculture, and management of "Exclusive Economic Zones"); and
2. development, testing, and application of multidisciplinary concepts, tools, and techniques that are useful in dealing with the environmental dimensions of sectoral policies (e.g., environmental assessment, economic analysis, and multi-sectoral administration).

Several conceptual and analytical areas are treated for each topic studied at EAPI. Over time, it is expected that significant contributions will be made to the professional literature and to management practice for all of the following areas:

- Understanding of how physical, biological, and ecological processes and factors respond to and transmit the impacts of human activities.
- Consideration of the many ways people and various social systems interact with natural systems to the benefit and/or detriment of both.
- Treatment of the broad and diverse range of national and transnational perspectives, interests, and practices as they relate to managing the use of natural systems.
- Expansion of conventional economic benefit/cost analysis so that intersectoral and intergenerational elements can be given careful consideration.
- Response to the new challenge to organizations to develop and implement administrative systems consistent with the management of natural systems by many sectors of society over long periods of time.
- Application of the results of studies on specific topics and elements to policy-making, planning, and implementation.

In Fiscal Year 1980, the activities and staff of the Institute expanded and made it possible to organize the research program into four interrelated projects or program areas which build on the work in the two projects designed in previous years. Though these new projects were only formally constituted in Spring 1980, all of the activities for the entire year in the program areas are described in later sections as though the project itself had been in existence during the year.

During the third year since the Institute's creation, many of the research activities moved from the design stage to implementation. Nearly 50 products--books, articles, papers, brochures--have emerged and a full-time Publications Officer has been hired to work with the Institute's Academic Publication Committee to produce a series of research reports, reprints, books, and working papers.

The Institute is proceeding to build staff. At the end of FY80, there were 12 research associates (not all full-time), eight adjunct research associates, and 12 support staff. In addition there were two long-term research fellows, a number of shorter-term fellows and interns, and 23 graduate students (see "Project Team" and "Participant" sections). Recruitment processes were underway for three new research associates.

Institutional linkages were strengthened and expanded last year. Special emphasis was placed on conducting jointly sponsored workshop activities throughout the region. EAPI conducted such activities in China, Indonesia, Philippines, Thailand, and Wisconsin, U.S.A. Plans were also made for workshops in India and Australia in FY81. Numerous organizations joined EAPI as official co-sponsors of specific activities. These included four United Nations organizations, 17 government agencies, and 16 academic and research institutions. In addition, the almost 400 participants in FY80 activities came from numerous other institutions throughout the world. Many of these institutions and organizations shared significantly in the costs of Institute activities; their contributions totalled nearly \$300,000 this year.

Relationships with the University of Hawaii continue to expand. The number of EAPI students enrolled there grows toward the planned total. Several UH faculty have adjunct appointments with the Institute and EAPI staff and fellows have made presentations and co-taught courses at the UH. Institute facilities have been made available for a UH course and a joint UH-EAPI continuing seminar.

EAPI PROJECT 1. NATURAL SYSTEMS ASSESSMENT FOR DEVELOPMENT

Overview

Economic development activities in many countries of the East-West Center region depend on local natural resources and environmental systems. Successful development projects require efficient methods for gathering scientific information, analyzing these data in economic terms, and transferring findings to decision makers. International aid agencies work with host country planning units to achieve intensive but sustainable uses of land and water ecosystems. The NSAD Project has involved Asian-Pacific and American experts in designing improved approaches to environmental assessment and benefit/cost analysis. Forestry has been the major development sector from which case materials are derived and where new methods are tested in actual situations of natural systems management.

Objectives for FY 80

The objectives for FY 1980 were

1. to enhance the process of assessing impacts on the environment and identifying opportunities for wise use of natural resources; and
2. to improve understanding within and among countries as to the role of assessment in development policy and decision making.

Accomplishments

A major accomplishment during this year was the conclusion by the project team and corresponding collaborators that new assessment methods, different from the standard environmental impact approach, were necessary for developing countries. Simple adaptation of methods from the industrialized countries would not work because they emphasized extensive and elaborate consideration of alternatives, remedial and protective actions for environmental quality, and decreased per capita consumption of energy and materials. In contrast, developing countries urgently need increased consumption, increased productivity of managed ecosystems, and immediate benefits, even though long-term consequences may be uncertain.

Thus, the project turned to methods that more directly support opportunities to use natural systems while assuring the maintenance of the resource base. Following a workshop on "Forest Land Assessment and Management for Sustainable Uses" in June 1979, a report was published in February 1980: "Assessing Tropical Forest Lands: Their Suitability for Sustainable Uses." The report was designed as a guide for planners to the essential scientific information on climate, topography, soils, and vegetation. It was well received and suggestions were made for additional simplified, focused material for aiding the planner in understanding the important environmental and natural resource problems that accompany economic development projects. In July 1980, a small group of experienced assessors met to plan a "Handbook for the Transformation and Transfer of Technical Information for Natural Systems Management." Chapters on various related concerns will be published separately as they are completed. Each chapter will describe the problem area, detail the technical information necessary to understand and make predictions about it, and suggest remedial measures. Chapters are underway on industrial water pollution, pest outbreaks, air pollution, and soil erosion. The handbook should help planners and managers to anticipate and deal with technical problems that might reduce project benefits or shorten project lifetime. The objective is to enhance communication between planners and scientists about opportunities for and limitations of natural systems.

During this same period, work continued on extending the economic technique of benefit/cost analysis to include more resource and environmental factors. In May 1980,

scholars and professionals from nine countries met to begin implementation of the 1979 recommendations for a set of case studies and an applications manual concerning new techniques of economic analysis in valuation of environmental effects. Commitments were obtained from six countries for case studies and a team was formed to draft the manual--all to be ready for testing through dissemination in 1981. The World Bank, USAID, and host country development training centers are potential users of these materials and are becoming involved in their preparation.

Seven case studies in assessment and management of forestry sites were completed and presented at a workshop in September 1980. Each study covered the availability and usefulness of assessments, the type and extent of economic analysis, and forestry policy vs. actual practice. The case studies will serve as research and educational materials for several aspects of the natural systems assessment project.

The topics of environmental (natural systems) assessment and economic valuation were selected by the Environmental Protection Office of the People's Republic of China for invited lectures during a visit by the EAPI group to Peking and other cities in September 1980. Great interest was expressed in methods for assessment and valuation by the Chinese hosts and a long-term exchange of experiences was begun.

Assessment as a valuable tool for planning and decision making is slowly gaining acceptance in many developing country programs. However, two barriers remain: fear of delay in urgently needed projects and lack of host country skills in performing assessments. The products of the Natural Systems Assessment for Development project should mitigate both of these difficulties and improve the success of economic development activities.

Project Team

In FY 1980 the project was coordinated by Research Associate Richard A. Carpenter. He is also leading the multinational effort in preparing the handbook. Visiting Research Fellow Maynard M. Hufschmidt is leading the work in extended benefit/cost analysis.

The forestry activities were directed by Lawrence S. Hamilton who joined the staff as research associate after participation earlier as visiting fellow. Visiting Research Fellow W.R.H. Perera (Sri Lanka) planned a Workshop on Forest Policy to take place in November 1980.

Two independent projects emerged from the NSAD project during this fiscal year and are treated separately in this report. Thus a number of the people listed below were part of the project team for only a portion of this fiscal year.

Research Associates: Richard A. Carpenter (Project Coordinator); Lawrence S. Hamilton; Fred Hubbard; Gerald Marten; A. Terry Rambo; Toufiq Siddiqi; Roy Stubbs.

Fellows and Adjunct Research Associates: Blair Bower (United States); Maynard Hufschmidt (United States); David James (Australia); Chalermrath Khambonanda (Thailand); Anton Meister (New Zealand); Dieter Mueller-Dombois (United States); Charles Pearson (United States); W.R.H. Perera (Sri Lanka); Ata Qureshi (Pakistan); Ricardo Umali (Philippines); W. Paul Weatherly (United States); Hiroshi Yamauchi (United States); David Stokes (Australia).

Research Interns and Long-Term Professional Associates: Kanthi Abeynayake (Sri Lanka); Jayalakchimy Dorairoju (Malaysia); Eric Hyman (United States); Jeffrey McClure (United States); Kazuhiko Takemoto (Japan); Somluckrat Wattanavitukul (Thailand).

Graduate Students: John R. Campbell (New Zealand); Cynthia M.W. Edmunds

(United States); Sung-Il Kim (Korea); Govinda Koirala (Nepal); Debra Ann Lewis (United States); Thomas Mathew (India); Lamberto C. Palencia (Philippines); Ramon L. Sicam (Philippines); Kevin C. Steuart (United States); Mohammed Suleman (Pakistan).

Collaborating Institutions: Korean Development Institute; Economic Planning Board (Korea); National Environmental Protection Council (Philippines); Minister of State for Development Supervision and the Environment (Indonesia).

EAPI PROJECT 2. STRATEGIES FOR HUMAN-ENVIRONMENT INTERACTIONS

Overview

Growing population pressure and increasing demands for resources are resulting in greatly intensified exploitation of the environment. Finding improved ways to co-exist with the ecosystems in which we live, while maintaining the availability of resources we need, has become a task of high priority.

This project concentrates on the interactions which occur between humans and their environment, rather than the behavior of either in isolation. The manner in which environmental choices are viewed, and the decisions that are made on the basis of those choices, are the basis of research.

Project Objectives for FY 80

The project had three objectives:

1. to consider innovations in policy development, legislation, planning and administration which might improve national environmental management;
2. to encourage greater involvement of social scientists in agro-ecosystem management within the region; and
3. to develop products by which research can be disseminated to those interested in environmental management.

Project Accomplishments

In FY 1980, the project conducted the following activities:

1. A Workshop for Training in Natural Systems Management was held in Honolulu from October 22 to November 3, 1979 to consider the types of training materials most useful for environmental management. Participants from Australia, Canada, India, Indonesia, Malaysia, Papua New Guinea, the Philippines, Sri Lanka, Thailand, the United States, and international agencies attended.
2. A Regional Conference on Environmental Administration was held in Tak Province, Thailand, February 4-7, 1980, to consider the Thai case as a model for defining the field of environmental administration. Participants from Australia, China, Thailand, and the United States attended.
3. A Workshop on Large-Scale Administrative Systems was held in Honolulu from July 14 to August 8, 1980, to define and develop skills that an environmental manager might need. Participants from Australia, Malaysia, the Philippines, Thailand, and the United States attended.
4. An Expert Working Group on Human Ecology visited upland ecology projects in Thailand, Indonesia, and the Philippines from August 24 to September 6, 1980, to consider how social scientists might best contribute to such activities, and to

consider potential training curricula. Participants from Australia, Malaysia, the Philippines, Thailand, and the United States attended.

5. An Executive Summary format for disseminating research results in a form useful to policymakers and practitioners was developed and tested. Comments received via a questionnaire distributed with the test format are serving as a basis for further development of dissemination strategies.

Project Team

Research Associates: Roy Stubbs (Project Coordinator); A. Terry Rambo; Fred H. Hubbard; Peter Kunstadter.

Fellows: Andrew P. Vayda

Research Interns and Long-Term Professional Associates: Ganjanatan Laxmi (Thailand); Regina Ordonez (Philippines); Victor Ordonez (Philippines); Bienvenido Saniano (Philippines).

Cooperating Institutions:

The project was able to attract a considerable amount of interest among outside institutions in the form of financial and in-kind cost-sharing. Project activities received \$52,000 in cost-sharing. Institutions which provided support include:

Environmental Administration

The Institute of Environmental Research, Chulalongkorn University, Thailand
The Electricity Generating Authority of Thailand
The National Environment Board, Government of Thailand

Human Ecology

The Ford Foundation

In addition, the Development Academy of the Philippines has generously contributed its time to the support of various follow-up activities.

EAPI PROJECT 3. ENVIRONMENTAL DIMENSIONS OF ENERGY POLICIES

Overview

Planning for the EDEP Project commenced during FY 1979 with the holding of a workshop on "The Environmental Dimensions of Energy Policies" in March and April, 1979. The group of senior policy makers and scientists from 10 countries who participated in that workshop identified four priority areas for collaborative research:

1. Environmental Standards and Energy Policies
2. Environmental Aspects of Growing Biomass for Energy
3. Environmental Guidelines for Offshore Oil Exploration and Production
4. Planning and Management of Energy-Environment Systems.

Until this point, the energy-environment area had been part of the Natural Systems Assessment for Development project. In view of the large scope of the issues mentioned above, and the substantial level of planned activities, it was decided to make this area a separate project. This took place about half-way through FY 1980.

Project Objectives for FY 1980

The overall objectives of the project are to provide policy makers with analyses and methodological approaches which could assist them in meeting the goals of maintaining adequate energy supplies and satisfactory environmental quality.

The objectives for the first year of the project were:

1. To identify the major components of the four topics mentioned earlier on which collaborative work by participants from several countries would be useful;
2. To initiate research in several of the areas identified.

Project Accomplishments

1. Environmental Standards and Energy Policies. The initial emphasis has been on the link between air quality standards and energy policies. A conference on the topic was held during March 1980, with participants from 11 countries. Conference findings about the considerations underlying the setting of air quality standards in the different countries, and how they influence, and are influenced by, the energy policies of the countries will be published in the form of both a conference report and selected individual papers.

Planning for an activity to examine the systemwide implications of the production, transportation, and combustion of coal, was initiated during the summer of 1980. A small group of participants met at EAPI to write an initial research plan, which was favorably received in several countries. A proposal for additional outside funding is being prepared.

2. Environmental Aspects of Growing Biomass for Energy. A group of research interns and professional associates from Australia, Indonesia, New Zealand, the Philippines, and the United States worked with EAPI staff and students for several months during FY 1980 on assessing the environmental implications of growing fuelwood for energy and producing alcohol from sugarcane. The focus was on the Hawaiian experience and comparisons between it and developments in the countries mentioned. A report is in preparation.

3. Environmental Guidelines for Offshore Oil Exploration and Production. A number of countries in the Asia-Pacific region are undertaking programs for the exploration and production of oil and gas offshore. A small workshop for drafting guidelines for such activity to proceed in an environmentally sound fashion met in July 1980, and presented its resulting draft to a larger group of policy makers, oil company officials, and geologists at a conference on "Hydrocarbon Potential in the South China Sea." A second drafting session, including additional regional input, is scheduled for FY 1981.

4. Planning and Management of Energy-Environment Systems. An approach to integrating energy and environmental management has been developed by a group at the University of Wisconsin and its possible application to Asian countries was explored at a workshop held in Indonesia in February 1980. The workshop was co-sponsored by the Indonesian Department of Mines and Energy, and included participants from that country, as well as from India, Korea, and the Philippines. The approach appeared relevant to specific issues in each of the countries and a follow-up workshop for the development of specific country research plans was in progress at Wisconsin as FY 1980 ended. External funds are being sought for this activity from a variety of national and international sources.

Project Coordinator/Team During FY 1980

Research Associates: Toufiq A. Siddiqi (Project Coordinator), Richard Carpenter, Gerald Marten, William Matthews (Institute Director), Roy Stubbs, Mark Valencia.

Fellows and Adjunct Research Associates: Wesley Foell and Mark Hanson (University of Wisconsin, United States), John Gilbert (Commission for the Environment, New Zealand), Maynard Hufschmidt, David James (MacQuarie University).

Research Interns and Long-Term Professional Associates: Darryl Babor (Ministry of Energy, Philippines), Andre Gherardi (University of California, Berkeley), Yoshikazu Iikura (Japan Environmental Agency), Gregory Morris (University of California, Berkeley), Claire Mulcock (New Zealand), Linda Widagda (Padjadjaran University, Indonesia), and Ian Willington (C.S.R. Ltd., Australia).

Graduate Students: Debra Ann Lewis (United States), Thomas Mathew (India).

Cooperating Institutions: Department of Science and the Environment (Australia), C.S.R. Ltd. (Australia), Department of Science and Technology (India), Jawaharlal Nehru University (India), Indonesian Petroleum Institute (Indonesia), Institute of Ecology, Bandung (Indonesia), Environment Agency (Japan), Commission for the Environment (New Zealand), Ministry of Energy (Philippines), C.C.O.P., United Nations, University of California, Berkeley (United States), University of Hawaii (United States), U.S. Geological Survey (United States), The Oil Industry International Exploration and Production Forum.

EAPI PROJECT 4. MARINE ENVIRONMENT AND EXTENDED MARITIME JURISDICTION: TRANSNATIONAL ENVIRONMENT AND RESOURCE MANAGEMENT IN SOUTHEAST ASIAN SEAS

Overview

The goals of the project are to provide a forum for the identification and exchange of views on evolving East-West ocean management issues and to undertake subsequent research designed to provide a knowledge base to aid in the international understanding of these issues, with special focus on issues that are expected to arise in the South China Sea and its environs during the decade of the 1980's.

Project Objectives for FY 80

The continuing objectives for this project are (in the context of Southeast Asian seas):

1. to provide a broad overview of present and future trends of marine interests and marine use and of the implications of extended maritime jurisdiction for marine use management;
2. to identify, anticipate, and characterize transnational ocean management issues; and
3. to delineate both potential problems and opportunities with respect to the issues.

In addition to specific results of research, which are being published as they develop, a major objective of this project for the next two years is the preparation of an atlas of marine policy parameters and issues in the Southeast Asian seas. Its purpose will be to set forth research findings from the project in graphic and cartographic formats that may be useful as background material in cooperative, common, and national policy decisions. A companion volume of policy analysis is anticipated if funds permit.

Project Accomplishments

Trends identified in the project's first year, and which remain of continuing high priority in the region, include the development of joint ventures in fisheries, the joint development of hydrocarbons, and conflicts between needs for transportation of energy and maintenance of environmental quality. Related issues, the subjects of specific research, are being explored in four substantive areas: transnational efforts on transboundary fish stocks, regional marine environmental management issues, energy material transportation and marine environmental policies, and transnational oil and gas resource management issues. Each of these areas is examined with respect to three fundamental components of transnational ocean management issues: the natural environment, political-socioeconomic factors, and juridical regimes. Specific research results in these areas are cited in the section on "Publications and Other Products."

In the course of this research, as well as through attendance of the Project Coordinator and team members at such events as the OCEANTROPIQUE session in France and the CCOP annual session and visits to relevant research organizations such as ESCAP, a good deal of basic information has been collected for the policy atlas and a number of maps have been substantially completed. These include sections on the natural environment, maritime boundaries, and ports.

In December, a workshop on "Coastal Area Management and Development in Asia and the Pacific" was held in Manila, hosted by the Philippine Bureau of Mines and Geosciences of the Ministry of Natural Resources and co-sponsored by a number of other organizations (see "Collaborating Institutions"). Among the 30 coastal planners from 12 nations were two participants each from Vietnam and China. The proceedings of the workshop are being edited by the project coordinator and will be published by EAPI with contributions from UNEP and the German Foundation for International Development.

In August a major workshop on "The Geology and Hydrocarbon Potential of the South China Sea and Precedents for Joint Development" was held at the EWC, co-sponsored by CCOP. Among the 50 participants from 12 countries were senior persons from major national and international oil companies, governmental and intergovernmental organizations, and academic institutions. Together they explored three areas of issues:

1. The geology and hydrocarbon potential of the South China Sea;
2. The technological, economic, legal, and environmental aspects to exploration and exploitation of hydrocarbon resources in offshore and adjacent oceanic areas; and
3. Precedents for joint development and their applicability to possible areas for joint undertakings.

Their findings were published in an October 1980 report and the full proceedings will be published as a special issue of Energy--the International Journal. A significant aspect of the conference was the attendance of Chinese participants who presented for the first time the results of their geological investigations of the Chinese continental shelf.

Project Team

Research Associates: Mark Valencia (Project Coordinator), Diane Drigot; Yoshiaki Matsuda; Joseph Morgan (joint appointment with the University of Hawaii Department of Geography); Choon-Ho Park (joint appointment with Culture Learning Institute).

Fellows and Adjunct Research Associates: Salvatore Comitini (United States); Virginia Aprieto (Philippines); Norton Ginsburg (United States); Douglas Johnston

(Canada); C.Y. Li (China); Victor Prescott (Australia); Michael Shepherd (Canada); Chia Lien Sien (Singapore); Timothy Wright (United States); Phiphat Tangsubkul (Thailand).

Research Interns and Long-Term Professional Associates: Daniel Dzurek (United States); Lawrence Enomoto (United States); Morio Okatsu (Japan).

Graduate Students: Gong Soo Chung (Korea); Jesse Floyd (United States); Michael Gawel (Guam); Sutanto Hardjolakito (Indonesia); Abu Bakar Jaafar (Malaysia); Henry G. Tucker (United States).

Collaborating Institutions: Committee for Co-ordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas (CCOP); Committee for Co-ordination of Joint Prospecting for Mineral Resources in the South Pacific (SOPAC); Dalhousie Ocean Studies Programme; Division of Natural Resources, Economic and Social Commission for Asia and the Pacific; German Foundation for International Development; Ocean Economic and Technology Branch, United Nations Environment Programme (UNEP); Philippine Bureau of Mines and Geosciences, Ministry of Natural Resources; University of Hawaii.

EAST-WEST ENVIRONMENT AND POLICY INSTITUTE

StaffDirector

William H. Matthews, PhD Socio-Technological Engineering, Massachusetts Institute of Technology, 1970. Came to the Center in October 1977 to establish the Environment and Policy Institute. He was formerly a senior research scholar at the Austrian-based International Institute for Applied Systems Analysis. Prior to this he was Arthur D. Little associate professor of environmental sciences and engineering at Massachusetts Institute of Technology and visiting faculty member in environmental management at the Center for Education in International Management in Geneva, Switzerland. He has had close association with the United Nations Environment Programme and other international and national agencies.

Research Associates

Richard A. Carpenter, MA Organic Chemistry, University of Missouri, 1949. Came to EAPI from the National Academy of Sciences/National Research Council where he was executive director of the Commission on Natural Resources. Prior to establishing that office in 1972, was chief of the Environmental Policy Division of the Congressional Research Service, Library of Congress. Has contributed to the passage and implementation of legislation including the National Environmental Policy Act and has been responsible for a variety of studies interpreting and transferring technical information for decision making. Began his career as a chemist and has obtained patents in the field.

Diane C. Drigot, PhD Natural Resources, University of Michigan, 1975. Interdisciplinary AB, Conservation of Natural Resources from Barnard College, Columbia University. Spent two years on the faculty of the University of Northern Colorado where she also was director of the multidisciplinary environmental studies program. Has conducted research in the measurement of public attitudes and concerns and their incorporation into environmental policy determination and management processes.

Lawrence S. Hamilton, PhD, University of Michigan, School of Natural Resources, 1963. Previously extension forester and then professor of forestry and conservation at Cornell University's Department of Natural Resources; also visiting professor at several Asian-Pacific universities. Has done research on tropical forest land assessment and classification for planning sustainable uses.

Fred H. Hubbard, PhD Natural Resources, University of Michigan, 1963. Has been involved in environmental and/or development projects in various countries in Asia and Africa. His interests are primarily in natural resources development programs and their environmental implications for developing water related and land resources.

Peter Kunstadter, PhD Anthropology, University of Michigan, 1961. Joint appointment with the Population Institute and the Resource Systems Institute. Joined the Population Institute in 1974, after serving as associate professor of anthropology and epidemiology at University of Washington. Received undergraduate education at University of New Mexico and master's degree from Cornell University. Research interests: social structure, social change, medical anthropology, and human ecology, Thailand, and Indonesia.

Gerald G. Marten, PhD Zoology, University of California at Berkeley, 1970. Has conducted research on systems ecology and renewable natural resources management in

Canada, East Africa, and Mexico. Most recently was senior research scientist at the Instituto de Investigaciones Sobre Recursos Bioticos in Veracruz, where he headed an interdisciplinary team studying the environmental dimensions of land use planning in the Mexican highlands and tropics. Earlier research included fisheries management and mathematical modeling of lake and forest ecosystems.

Joseph R. Morgan, PhD Geography, University of Hawaii, 1978, Captain U.S.N. (Ret.). Joint appointment with the University of Hawaii where he is assistant professor of geography. Formerly chief of mapping, charting, geodesy branch on staff of commander in chief, Pacific. Has taught at the U.S. Naval Academy. Research and publication in oceanography and geography.

Choon-Ho Park, PhD Public International Law, Edinburgh University, 1971. Was foreign languages and curriculum officer, Ministry of Education, Korea, 1962-1968; post-doctoral fellow in the faculty of Law, Toronto University, in 1972; ocean studies fellow in the Woodrow Wilson International Center for Scholars in 1973; and research fellow and associate, East Asian legal studies, Harvard, from 1974 to 1978. Joint appointment with Culture Learning Institute.

A. Terry Rambo, PhD Anthropology, University of Hawaii, 1972. Was visiting professor, Dalat University Graduate School of Politics and Economics, Saigon, 1973-75, and lecturer in anthropology and human ecology at the University of Malaya in Kuala Lumpur, 1975-80. Served as a continuing consultant on resources and environment to the Ford Foundation with responsibility for monitoring research on human ecology in Malaysia and neighboring countries. His major current research concern is with human interactions with tropical agroecosystems. Has done field research on the environmental relations of tropical rural societies in Vietnam, Malaysia, and Belize.

Toufiq A. Siddiqi, PhD Experimental Nuclear Physics, University of Frankfurt-am-Main, West Germany, 1966; BA and MA, University of Cambridge, England; primary and secondary education in India and Pakistan. Was associate professor of public and environmental affairs at Indiana University prior to joining EAPI. Has written extensively and developed courses in the areas of science, technology, and public policy; energy and the environment, technology assessment; and environmental systems.

Roy C. Stubbs, PhD Public Administration, University of Southern California, 1974; BS in Geology/Geophysics. Was previously the management scientist for the Task Force on Human Environment, a United Nations project providing assistance to governments of Asia and the Pacific in environmental-institution-building. Has been a consultant in management information systems to the United Nations Environment Programme in Nairobi and has done extensive teaching, research, and consulting in management in Latin America. Was involved for several years in the research and development of mineral and petroleum resources in Australia, the United States, Europe, and the Middle East.

Mark J. Valencia, PhD Oceanography, University of Hawaii, 1972; MA Geology, University of Texas; Master of Marine Affairs, University of Rhode Island. Served for two years as a lecturer (assistant professor) with the Universiti Sains Malaysia in Penang, followed by a year with the United Nations Development Programme Regional Project on Offshore Prospecting in Bangkok, Thailand. Professional activities have concentrated on regional marine policy issues, including problems of national and transnational marine pollution in Southeast Asia.

Napoleon T. Vergara, Master of Forestry, State University of New York, 1960. Was senior lecturer in forestry management and economics, Department of Forestry, University of Technology, in Lae, Papua, New Guinea. Was chairman of the Departments of Forest Resources Management and Forestry Extension, University of the Philippines, Los Banos, and project leader, Kaingin Research Project, jointly sponsored by the University of the Philippines and the National Science Development Board. Has served as a consultant on forestry issues in both government and industry.

Adjunct Research Associates

Salvatore Comitini, PhD Economics, University of Washington. Currently holds joint appointment as associate professor in the Department of Economics and the Department of Agricultural and Resource Economics at the University of Hawaii. Served as senior economist with the UNDP/FAO Fisheries Project in Jakarta from 1975-1978.

Wesley Foell, PhD Nuclear Engineering, Stanford University, Director, Energy Systems and Policy Research Group, University of Wisconsin. Has published widely on energy-related topics, especially the management of energy-environment systems.

John T.E. Gilbert, BA Economics, University of Canterbury, New Zealand, Senior Investigating Officer, New Zealand Commission for the Environment. Background in forestry, current research in oil spills, biofuels, and fuelwood plantations.

Dieter Mueller-Dombois, PhD Forestry, University of British Columbia. Professor of botany, University of Hawaii. Was director of the Island Ecosystems Integrated Research Program of the U.S. International Biological Program until 1975.

Joseph P. O'Reilly, PhD Psychology, University of Hawaii, Associate professor, Department of Human Resources, and research coordinator for human resources development for the University of Hawaii College of Tropical Agriculture and Human Resources. Concerned with human adaptive response to environmental stressors with particular emphasis on improving quality of life through integrated rural development in the Pacific islands and Southeast Asia.

Jon J.D. Van Dyke, Harvard Law School. Currently law of the sea professor, University of Hawaii, and project director of Sea Grant investigation into Pacific jurisdictional issues. Formerly on the faculty of Catholic University Law School and Hastings College of the Law, University of California.

Hiroshi Yamauchi, PhD Natural Resources Economics, University of California at Berkeley, 1968. Professor, Water Resources Research Center, University of Hawaii. Most recent publications are on Hawaii's system of water rights, economics of urban water demand, and alternative approaches to water quality control.

Professional/Administrative

Sheryl R. Bryson, Publications Officer. MS Journalism and Mass Communication, Iowa State University; BA Journalism, Drake University. Former editor for Publications and Information Office, College of Tropical Agriculture and Human Resources, University of Hawaii; and associate editor for Iowa Agriculture and Home Economics Experiment Station, Iowa State University. Has been a journalism instructor, book editor, assistant editor of a trade journal, newspaper reporter, and wire service reporter.

Donine S. Hedrick, Resource Materials Specialist for the joint EAPI and RSI Research Materials Center. MLS, University of California at Berkeley, 1975. BA, Humboldt State University, 1974, in Latin American and African history. Studied Asia/Pacific history at Otago University, New Zealand, in 1967. From 1976 to 1979 was Head Librarian at the California Energy Commission in Sacramento responsible for developing a collection of materials on energy resources and the environment.

Marian Inouye, Resource Materials Specialist. Has been with the East-West Center for eight years and was formerly a library assistant for the Hawaii State Library System.

Virginia A. Jamieson, Executive Officer for Administration. Has worked with Yale University's Human Relations Area Files, The American University's Center for

Research in Social Systems, and the American Council on Education in the administration of interdisciplinary research programs and the analysis, writing, and publication of research results. Came to the Center in 1972 as Publications Officer in the Communication Institute; served for four years as Staff Aide to the Vice President for Academic Affairs; and joined EAPI in 1979.

Shirley S. Kidani, Fiscal Assistant. BS Human Development, University of Hawaii, 1973. Has been with the East-West Center since 1975. Previously worked with Communication Institute.

Fannie Lee Kai, Administrative Assistant for Participant and Activity Services. Has served the Center since 1962 in various administrative capacities. In 1977, received the Baron Y. Goto Award for "Intercultural Activity in Everyday Life" for her significant contributions to fostering better relations among peoples of East and West through such activity.

Rochelle A. McArthur, Program Services Officer. MA Political Science, University of Hawaii. Obtained her undergraduate degree in Foreign Service from the University of the Philippines. Prior to joining the Center, worked with several University of Hawaii units--the Hawaii Environmental Simulation Laboratory, the Department of Information and Computer Sciences, and the Social Science Research Institute's PALM (Pacific Area Languages Materials) Development Center.

Secretarial Staff

Florence Lum, Project Secretary, joined EAPI in April 1979.

Lorraine Mimura, Director's Secretary, joined EAPI in April 1979.

Lyn Mukai, Program and Fiscal Secretary, joined EAPI in April 1979.

Joan Nakamura, Project Secretary, joined EAPI at its beginning in 1977. Was formerly with East-West Food Institute.

Helen Takeuchi, Publications Secretary, joined EAPI in December 1979.

PROJECT PARTICIPANTS

NATURAL SYSTEMS ASSESSMENT FOR DEVELOPMENT PROJECT*

Fellows

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Wesley Foell, Director, Energy Systems and Policy Research Center, University of Wisconsin, Madison, Wisconsin.

John Thomas Ellis Gilbert, Senior Investigating Officer, Commission for the Environment, Wellington, New Zealand

Mark Hanson, Director, Energy Systems and Policy Research Group, University of Wisconsin, Madison, Wisconsin

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Dieter Mueller-Dombois, Professor, Department of Botany, University of Hawaii, Honolulu, Hawaii

James Peerenboom, Staff, Energy Resource Center, University of Wisconsin, Madison, Wisconsin

William Ryan Herbert Perera, Conservator of Forests and Director, Water Resources Board, Colombo, Sri Lanka

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Ricardo M. Umali, Deputy Executive Director, Department of Natural Resources, Natural Resources Management Center, Quezon City, Philippines

Andrew Vayda, Professor, Department of Human Ecology, Rutgers University, New Jersey

*In Spring, 1980 many activities and staff of this project were organized into two additional projects (described in the preceding section).

W. Paul Weatherly, Environmental Planner, USAID, Jakarta, Indonesia

Hiroshi Yamauchi, Professor of Agricultural and Resource Economics, University of Hawaii, Honolulu, Hawaii

Research and Professional Interns

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Joint Doctoral Research Intern

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Students

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Susan Lucille Heftel, Hawaii, JD, Law

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Lamberto Carumba Palencia, Philippines, PhD, Agricultural Economics

Ramon Legaspi Sicam, Philippines, MS, Information and Computer Science

Kevin Charles Stuart, Missouri, PhD, Agronomy and Soil Science

Mohammad Suleman, Pakistan, PhD, Biostatistics and Epidemiology

Extended Benefit - Cost Analysis Workshop

Participants

Syed Hamid bin Syed Ahmad Aljunid, Faculty, Department of Resource Economics and Agricultural Business, University Pertanian, Serdang, Selangor, Malaysia

Beta Balagot, Chief, National Environmental Protection Council, Quezon City, Philippines

Suk-June Chang, Assistant Director, Overall Project Evaluation, Economic Planning Board, Seoul, Korea

Syamsidah Djuita, Head of Subsection, Land Use Planning, Sumatra, Indonesia

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Forestry Case Studies Workshop

Participants

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Workshop on Integrating Environmental Considerations into Development Process

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Natural Systems Assessment for Development Activities

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Workshop for Training in Natural Systems Management

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Regional Conference on Environmental Administration

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Workshop on Large-Scale Administrative Systems

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Expert Working Group on Human Ecology

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Strategies for Human-Environment Interactions Activities

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Conference on Environmental Standards and Energy Policies

Participants

Gordon L. Brady, Chief, Economic Analysis Division, National Commission on Air Quality, Washington, D.C.

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Workshop on Environmental Guidelines for Offshore Oil Exploration and Development

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Workshop on Planning and Management of Energy-Environment Systems (Indonesia)

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Workshop on Planning and Management of Energy-Environment Systems (Wisconsin)

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Environmental Dimensions of Energy Policies Activities

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Asian-American Conference on Environment

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MARINE ENVIRONMENT AND EXTENDED MARITIME JURISDICTION: TRANSNATIONAL ENVIRONMENT AND RESOURCE MANAGEMENT IN SOUTHEAST ASIAN SEAS PROJECT

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Workshop on Coastal Area Management and Development in Asia and the Pacific

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Workshop on the Geology and Hydrocarbon Potential of the South China Sea and
Precedents for Joint Development

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Marine Environment and Extended Maritime Jurisdiction Activities

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RESOURCE MATERIALS COLLECTION

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PUBLICATIONS AND OTHER PRODUCTS

Abeynayake, Kanthi. A Background Paper on the Environment of the Mahaweli Project Area. 76 pp.

Abeynayake, Kanthi. An Analytical Technique for Identifying Environmental Impacts to be Studied in Irrigation Projects of Tropical Countries. Paper presented at a workshop on training for Natural Systems Management. 8 pp.

Alexander, Lewis. Marine Regionalism in Southeast Asia. 86 pp. (draft)

Aprieto, Virginia. Fisheries Management and Extended Maritime Jurisdiction: The Philippine Tuna Fisheries Situation. 112 pp. (draft)

Bach, Wilfrid, Walther Manshard, William H. Matthews, and Harrison Brown (eds.). Renewable Energy Prospects. Proceedings of a conference on non-fossil fuel and non-nuclear fuel energy strategies, Honolulu, Hawaii, January 9-12, 1979. Oxford: Pergamon Press, 1980, pp. 711-1021.

Bach, Wilfrid, Walther Manshard, William H. Matthews, and Harrison Brown (eds.). Reprint. Renewable Energy Prospects: Proceedings of a conference on non-fossil fuel and non-nuclear fuel energy strategies at Honolulu, Hawaii, January 9-12, 1979. Reprinted from a special issue of Energy, The International Journal, vol. 4, no. 5, 1979.

Bardach, John and Yoshiaki Matsuda. Fish, Fishing, and Sea Boundaries: Tuna Stocks and Fishing Policies in Southeast Asia and the South Pacific. In GeoJournal 4.5 (1980):467-478.

Carpenter, Richard A. Using Ecological Knowledge for Development Planning. In Environmental Management, vol. 4, no. 1, pp. 13-20.

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Communication Institute

Jack Lyle, Director

Communication systems are an essential part of any development program. They carry the information which is essential to the maintenance of international understanding as well as for trade and commerce. They play an essential role in campaigns to encourage family planning, better agricultural methods, and environment protection. And they facilitate the expansion of educational opportunities, including remedial programs for adults and school leavers.

The technologies of modern communication are rapidly shrinking the world into what some have called a "global village." With these technologies, communication systems can be used to facilitate cooperation within and between nations. But even when people of goodwill attempt to use these systems, they are often misunderstood because of differences in culture, political ideology or economic status. In such instances, the operation and content of communication systems may increase rather than reduce the tension, conflict and misunderstanding between nations.

The Communication Institute focuses on the use of communication systems for transfer of information in support of development. Its ultimate goal is to provide better information for decisions regarding investment in and the use of communication systems, whether this be for programs at the international, national or institutional level. The nature of communication technologies today is such that decision at one level cannot be isolated from programs and policy at the other levels.

The work of the Institute in FY 1980 was organized around four projects plus the Jefferson Fellows program. The content of this work was developed and carried out in cooperation with organizations in Asia, the Pacific, and the United States. It spanned the range from the private to the public sector, from university to occupational training. Each project incorporated research to generate knowledge as well as a variety of conferences, seminars and publications for the dissemination of knowledge together with the development of educational materials and programs. Descriptions of the activities related to the projects are contained in this report.

During the year, the Institute staff continued evolving the program and its structure. Plans were made for further modification of the project structure in FY 1981.

Perhaps foremost in the highlights of Institute development during FY 1980 were activities reflecting the efforts to expand collaborative arrangements in Asia and the Pacific as well as the United States.

For instance, the Institute joined with the Indonesia Ministry of Information in co-sponsoring the annual meeting of AMIC, the Asian Mass Communication Research and Information Center, in Solo during November. This was so successful that plans were begun with Thammasat University of Bangkok to co-sponsor another AMIC meeting in Thailand during 1981.

Another co-sponsored meeting was held in Fiji, together with the Pacific Island News Association. From this meeting grew a later consultative meeting with Pacific journalism executives which led to a decision to undertake the preparation of an on-the-job training manual for Pacific Island journalists. This work was begun during the summer of 1980.

Collaboration with the University of Hawaii was greatly strengthened during FY 1980. The Institute added Dennis Ogawa of the University's American Studies program and

Cheng Chung-ying of the Philosophy Department as adjunct research associates. The Institute's director emeritus and special consultant, Wilbur Schramm, taught a seminar for the Department of Communication. Research Associate George Beal was asked to co-teach a course in that department. He has also served as a consultant for a joint project by the University of Hawaii and the Consortium for International Development-AID on developing guidelines for Farming Systems Research and Development. A joint committee was formed by the Department of Communication and the Institute to plan the implementation of a special "track" focusing on Development Communication within the Master's degree program.

The Institute joined with the Political Science Department in bringing Johann Galtung of the United Nations University for a series of seminars and lectures both on the University and East-West Center campuses. From this grew a proposal for collaboration between the Institute and the UNU for a conference in Honolulu in FY 1981.

One research associate, D. Lawrence Kincaid, was given professional reassignment to the State University of New York's Albany campus to do specialized computer programming and analysis. SUNY provided the logistical support for this analysis. Another research associate, John Middleton, was granted a two-year leave-of-absence to become leader of a project to develop regional training centers for the preparation of educational materials through the Centre for Communication Technology for Education and Culture in Jakarta, Indonesia.

The Institute inaugurated its Faculty Development Seminar in the summer of 1980. Sixteen faculty drawn from 16 institutions in Asia and four in the United States participated in this 10-week program. From their individual efforts, the participants produced a draft teacher's resource manual titled "An Introduction to Development Communication."

The Institute had particularly high visibility at the International Communication Association's annual meeting which drew 1,700 participants to Acapulco. Schramm was one of the special plenary speakers. The Process and Context project's work on Communication Theory East and West provided the focus of one of the sessions and the team also helped prepare another session of new research methods.

The Institute welcomed its first participants from the People's Republic of China in 1980. Three participants from Beijing took active roles in the January workshop on Communication and China's External Relations, and a member of the Xinghua staff came to the Institute as a Jefferson Fellow. Discussions have begun for a series of co-sponsored meetings with the Institute of Journalism Studies in Beijing.

CI PROJECT 1. COMMUNICATION POLICY AND PLANNING

Project Overview

Continuing improvements in communication technology create great potential for improved distribution of knowledge and information, stronger intercultural understanding, and cooperative action for solving problems of mutual concern to nations. Yet realization of this potential has not been satisfactory. A major reason for such failures has been the lack of forward looking communication policies and planning in both international and national frameworks.

Further, the technology of communication and what we now call the science of communication are largely centered in a few nations. To build or expand communication systems, the poorer, less developed nations usually must import technology and science from nations with different cultural traditions. This importation may be accompanied by unanticipated, undesired changes in areas of national culture. Strong national policy and planning are required to reduce this danger, and to create an

atmosphere favorable to the establishment of appropriate technologies and ideas. Because of the nature of telecommunications technology, such national efforts cannot be isolated from international policy and planning. Thus, it is in the interests of all nations to collaborate in increasing the understanding of the processes through which communication policies are developed.

This six-year project was designed to produce basic reference materials to help policy makers and program planners by studying all of the links in the communication chain, both within and among nations.

Specific project objectives for FY 1980, the fourth year of the project, were:

1. To develop a theoretical framework for communication policy and planning science.
2. To develop methodologies for communication policy and planning research.
3. To complete a comparative analysis of communication policy, planning, decision making, and coordination processes and problems in selected East and West nations and their institutions.
4. To develop educational materials and methods for communication planners and practitioners.
5. To test and disseminate research findings for key audiences: communication scholars, policymakers, planners, and managers, East and West. Examples of institutions from which participants will come are: mass communication institutes, government information departments, radio and television organizations, telecommunication agencies, instructional communication agencies, university communication departments, etc.
6. To establish cooperative relationships between communication research and teaching institutions and policy planning organizations for facilitating sharing and application of new knowledge.

Project Activities

1980 Pacific Telecommunication Conference

This conference, attended by about 400 participants from the United States, Asia, and Pacific region, was co-sponsored by the Communication Institute. The communication policy and planning project organized one of the major programs dealing with communication policy, and took a lead in the formation of the Pacific Telecommunications Council. The council has been established as a non-profit corporation under the laws of the State of Hawaii. Its objectives are to provide a forum for exchange of ideas and information on telecommunications problems, promote awareness about varied telecommunications requirements and needs, to organize seminars and conferences, and to address specific telecommunication issues to assist in solving short term and long range problems in the Pacific area.

Coordinators: Jack Lyle, Syed A. Rahim

Workshop on Communication Policy in Developed Countries

This workshop, held at EWCI in January 1980, was the culmination of a joint activity with La Trobe University, Melbourne, Australia. The workshop reviewed draft chapters of a book examining communication policies in Australia, Canada, New Zealand, Sweden, the United Kingdom, the United States, and West Germany. The manuscript is currently under review by prospective publishers.

Coordinator: Syed A. Rahim

Workshop on Economics of Communication

This workshop was held in June 1980. Selected economists and communication scholars discussed the problems of conceptualization and methodology of research on the economics of communication and information. The outcome of this is a manuscript of original papers currently under review by a prospective publisher.

Coordinator: Meheroo Jussawalla

Pacific Islands Press Institute

A meeting of newspaper and broadcasting news executives and editors was held in November 1979 in Fiji to examine journalism training needs and exchange of news in the Pacific Islands. It was co-sponsored with the Pacific Islands News Association, Suva, Fiji, through a grant from the Asia Foundation. A decision was taken to prepare a basic training manual for Pacific Island journalists.

Coordinator: Jim Richstad

Development of Journalism Training Materials for Pacific Islands

A meeting of newspaper and broadcasting executives to plan development of a basic journalism training manual for use by Pacific Island journalists was held in April 1980, Honolulu. This was a follow-up to the Pacific Islands Press Institute, and was co-sponsored by the Pacific Islands News Association, and funded by a grant from the Asia Foundation. As a continuation of this meeting, a field survey of training needs was undertaken in the Pacific Islands, and a draft manuscript of a training manual was prepared.

Coordinator: Jim Richstad

Decision Making in Communication Organizations

On this activity a consultative meeting was held in January 1980, and a report writing workshop was held in April 1980. The following draft case study reports were completed: The introduction of public hearings for renewal of T.V. licenses in Australia; Decision making processes in Television Malaysia; Selecting the gatekeepers: a market case study of personnel decision making in media organizations; and, citizen participation in public access television.

Coordinator: Garrett McDowell

Development of Educational Materials

The manuscript of the reader on "Crisis in International News: Policies and Prospects" was revised and submitted for publication. It has been accepted by the Columbia University Press.

Using the case studies, two project fellows have prepared two volumes of modular teaching materials on institutional level communication planning. The materials have been tested with some groups and will be further tested and revised. An earlier set of materials on simulation games prepared for UNESCO is being used in its training programs.

The work on a communication planning method book commissioned by UNESCO is being continued this year.

The bibliography on economics of communication has been accepted for publication by Pergamon Press.

Case Studies on Institutional Level Communication Planning

The case studies on the Philippines Broadcast Media Council Community Advisory Board, Thailand Radio Education, Malaysia Muda Agricultural Development Authority, the Philippines Commission on Population, and New York State Cooperative Extension, were reviewed, revised and submitted for publication. The first four case studies have been accepted for publication by the Institute pending appropriate revision.

Preliminary work on developing a general framework and procedures for cross-case analysis has been completed.

Participation in External Activities

The project team members contributed to seminars and conferences organized by other institutions and offered consultative services. It was done on specific invitation from those institutions.

Among the meetings and conferences were: World Communication: Decision for the 80s, sponsored by the Annenberg School of Communication, Philadelphia; The Arlie House 8th telecommunications conference, Annapolis; Annual conference on new information order, Georgia, sponsored by the U.S. National Commission for UNESCO; The 5th World Congress for Rural Sociology, Mexico City; International Communication Association Annual Conference, Acapulco; Conference on Communication Planning held in Solo, Indonesia which was jointly sponsored by AMIC of Singapore, Press Foundation of Indonesia, and EWCi.

Project Team

Syed Rahim, project leader; George Beal, Meheroo Jussawalla, Garrett McDowell, John Middleton, and Jim Richstad.

CI PROJECT 2. COMMUNICATION PROCESS AND CONTEXT

Communication programs are widely used in a multinational situation. The nature of many mass media makes it difficult, if not impossible, to contain their operations within national bounds. In some instances, these programs have specific intended purposes related to problems of mutual consequence to nations. In others, such intention may be missing yet problems may occur because signal areas overlap national boundaries or because programs produced for one culture are imported for use in another. As a result, the operations or content of non-purposeful media programs may inadvertently themselves constitute or contribute to national and international problems. To increase effectiveness of multinational programs as well as to reduce inadvertent problems which may result from transnational distribution of programs, we must understand how different communication processes operate in different cultural contexts.

Communication is a natural part of everyone's life. The process of communication often is taken for granted, assumed to function in familiar, expected ways regardless of the social situation or cultural setting in which it occurs. Differences that exist in the patterns of communication in different contexts may be overlooked until problems occur and events unfold in unexpected ways. Faulty communication or "communication breakdown" is blamed for the failure of otherwise well-intended or well-designed plans through which people try to solve mutual problems.

Such failures mean that programs intended to improve relations may actually result in heightened tensions. The work of this project increases understanding of the differences in process and context across nations. This understanding can be used to circumvent such "communication breakdowns."

Experience has proven that communication process does differ among various sectors of a nation's population. Therefore, it is also necessary to understand certain basic differences which exist within nations as well as those which exist between nations.

Just as communication process and content are affected by cultural context, so are research methodologies, including those used to study audiences and content. This means that research methods accepted as 'standard' and proven in one culture may not be similarly effective in another culture. Thus, it is necessary to do studies to develop and test methodologies for multi or transnational research.

The objectives for this project are:

1. To generate new knowledge about the communication process across a variety of cultural contexts.
2. To provide content which can be used in the development of materials for educational programs (a) for communication policy and planning, (b) for communication theory and research, and (c) for communication teaching in higher education in the East and the West.
3. To develop and test new methods of research and analysis for communication as a process within social contexts.

The project completed its fifth year of work in Fiscal 1980 (out of 6 years planned).

Project Leaders: D. Lawrence Kincaid and Elizabeth Buck

Project Staff: Andrew Arno, Wijitha Dissanayake, Hidetoshi Kato, and Georgette Wang

Summary of Accomplishments in FY 1980

As the project moved into its final stages, FY 1980 was primarily devoted to the analysis of two extensive sets of data collected in FY 1979. These are the study of Television and Sex-Role Socialization, and the study of the Communication Patterns of Transnational Immigrants.

Joseph Woelfel (fellow) in collaboration with Edward Fink completed their book, The Measurement of Communication Processes: Galileo Theory and Method, and it was scheduled for publication by Academic Press by the end of 1980. The book presents methodologies and theories which are being used in the Process and Context Project, and which were developed in collaboration with other project members during the first four years of the project. A number of other methodological papers by staff and participants were presented at international meetings and submitted to professional meetings for future publication.

The project's seminar on Communication Theory from Eastern and Western Perspectives, originally planned for the summer of 1980, was postponed until December 1980, for budgetary reasons.

Work in the area of instructional communication done during the first four years of the project was transferred to the new project, Communication Education, in FY 1980. This included the Communication Faculty Development activity, planning for which was initiated during FY 1979 in the Process and Context Project.

Cooperating Institutions

Arrangements for collaboration presently exist with Seoul National University and Yonsei University; Gakushuin University and the Communications Design Institute of

Japan; the University of the Philippines; NHK in Japan; Ateneo University in the Philippines; The Open University in Britain; the University of Hawaii, Governors State University of Illinois, the State University of New York at Albany, Rensselaer Polytechnic Institute, and Stanford University.

Process and Context Project Activities

The work of the project centers around four interrelated activities supported by a variety of meetings and other organized efforts by Institute staff members and participants.

Communication Theory from Eastern and Western Perspectives

The major part of the team's efforts in FY 1980 were devoted to the organization and promotion of the major international conference to be held at the Center from December 16-22, 1980. As part of this activity, some members of the team participated in a special panel session on the same topic at the annual meeting of the International Communication Association held in May 18-23, 1980, in Acapulco, Mexico. Thirty-five different countries were represented at the conference, and 1,717 communication scholars, students, and professionals participated. In our panel on communication theory from Eastern and Western perspectives, the following papers were presented:

"The Convergence Model of Communication," by D. Lawrence Kincaid

"The Western Model of Communication," by Joseph Woelfel

"The Communication Significance of the Buddhist Concept of Dependent Co-origination," by Wimal Dissanayake

"Chinese Philosophy and Contemporary Communication Theory," by Chung-Ying Cheng

"Indian Perspectives on Human Communication," by Tulsi Saral

Following the panel discussion, members of the audience were encouraged to apply to the Institute's December conference on the same topic in Honolulu. At the same time a brochure announcing the conference was distributed by mail to Asia, the Pacific, and the U.S. Approximately seventy applications were submitted, from which thirty participants will finally be selected to present papers at the conference. Plans are being made to publish a book of selected papers from the conference under the same title.

Coordinators: D. Lawrence Kincaid and Wimal Dissanayake

Communication Patterns of Transnational Migrants

Transnational migration is an important East-West phenomenon. Knowledge of the ways that new immigrants establish effective communication patterns and adjust to their new culture is of considerable use in the development of sound policies and social programs. In FY 1979, survey data was collected in Hawaii from representative samples of Korean, Filipino, and Samoan immigrants, from American Caucasian migrants from the U.S. mainland, and from local Japanese-Americans. The study focused on mass media use, interpersonal communication, organizational participation, psychological efficacy, basic value orientations, and individual and family stress. The research seeks to relate patterns of communication, adjustment to the new environment, and the process of convergence towards a common value structure in Hawaii. In FY 1980, primary attention was given to data analysis and the preparation of preliminary reports and papers. A list of the completed papers is presented at the end of this report.

Partial funding for work in this area was provided by the Hosokawa Foundation of Japan. The State University of New York at Albany provided office space and computer time and services for data analysis during most of FY 1980.

Coordinators: D. Lawrence Kincaid and Andrew Arno

Television and Sex-Role Socialization

During FY 1980, data collection for the television and sex-role socialization research activity was carried out in five participating countries: Japan, Korea, the Philippines, the United States and Britain. In FY 1979, prior to the data collection phase, the collaborating researchers met in two research planning workshops to construct the survey instruments and design the content analysis. There were two components of the data collection. One was the taping of preselected popular, prime-time television shows in each country, and the second was the administration of the survey instruments to fifth and sixth grade children in schools and to their parents in personal interviews.

The taped television shows and the completed questionnaires were sent to Honolulu for coding, keypunching, and computer analysis. From January through April, ten research interns (a male and a female from each of the five countries) worked at the East-West Communication Institute on the refinement and testing of a television coding scheme that would be suitable across all five countries, and then on the actual coding of the television programs. The television shows were coded in twenty-second segments three ways: (1) for sex-role related topics of conversation and behavior measured in the survey instruments; (2) for the demographic characteristics of speaking characters (i.e., sex, marital and parental status, age, roles, occupation, etc.); and (3) descriptions and analyses of plots, characters and sexual stereotypes. The research interns also coded the survey questionnaires from their respective countries.

In August, 1980, the collaborating researchers met again for two weeks to look at the preliminary outputs of the data and to decide on the presentation and dissemination of research results.

During the year, the project team wrote and submitted a proposal to the National Science Foundation for funding for two more rounds of data collection. The expanded research design allows for a longitudinal study of the same children and parents that were surveyed in the Fall of 1980, as well as new cohorts of fifth and sixth grade children and their parents in 1981 and again in 1983. This extended research design allows us to study the process of sex-role socialization in the context of television change and general cultural change across five countries.

Presentations on the initial data outputs were made to the EWCI Faculty Development Seminar, to new EWCI students, and to the EWC Alumni Conference which was held at the Center just prior to the August workshop. Two of the collaborating researchers were able to come early and participate with EWCI staff in the Alumni Conference panel.

Funding for data collection included grants or contracts from the Hosokawa Foundation in Japan, UNESCO, and the Independent Broadcasting Authority in Britain.

Coordinators: Elizabeth Buck, Barbara Newton, Georgette Wang, and D. Lawrence Kincaid

Development of Research Methodologies

Process research in this project has been accompanied by collaborative efforts to develop appropriate research methods. The Galileo Multidimensional Scaling computer program developed by Research Fellow Joseph Woelfel has been installed and working at CI since 1977. A new computer program to perform dyadic analysis of communication

network data has been developed by the project team, as have additional new methods and analysis techniques for use with communication networks.

Work on the development of methods of research and the analysis of communication processes continued in FY 1980. At the third workshop for the analysis of the television and sex-role socialization data, Joseph Woelfel and Barbara Newton (fellows), and Jisoo Geiter (research intern) wrote a new computer program, NEWTON, which was designed to transform television content data coded in binary form into time-sequence distance measures for analysis by our existing computer program for multi-dimensional scaling (Galileo_{tm}). This new methodological capacity allows us for the first time to compare the associations among sex-role concepts presented on television programs directly to the perceived associations among the same set of concepts as measured in the survey of television viewers (children and their parents). This type of analysis was initiated in August, 1980, and will continue into FY 1981.

CI PROJECT 2: SOCIAL EFFECTS OF COMMUNICATION

Project Overview

This project is assessing a broad range of effects of modern communication, both effects of international scope which require understanding and effects at the domestic level as well.

At the international level, the project examines the role of communication in promoting relations between nations. As a point of focus, China's relations with the United States and countries in Asia and the Pacific are being used.

At the national level, research is underway on long-term effects of communication on individuals and social institutions in the following perspectives:

- a. Cognitive and cultural effects--Acquisition of knowledge and technology; perception of symbols; change of attitudes and value orientations; change of role expectations.
- b. Behavioral effects--Adoption of innovations; change of health and hygiene practices, physical mobility; participation in community affairs.
- c. Intra-institutional relations--Change of relations with family; changes in relations within local community.
- d. Inter-institutional relations--Changes in family-school relations, producer-marketing relations, village-town relations, system maintenance and societal integration.

As in other Institute projects, there is also the objective to develop a cross-cultural methodology package. In this case, these efforts focus on methods for documenting social effects of communication for broad application.

Project Achievements

One of the achievements of the project in FY 80 was the initiation of academic cooperation with the People's Republic of China. Three senior scholars from Beijing, An Kang of the Institute of Journalism Research, and Lin Song and Pan Tong Wen of the Institute of International Studies, participated in the conference on "Communication and China's External Relations" held in January 1980. This participation inaugurated planning discussions for future activities focused on the role of communication systems in Sino-American and Sino-Pacific relations.

Moving a Mountain--Cultural Change in China was published by the University Press of Hawaii in FY 80 and was chosen by The Asia Mail as one of the best books published that year. This collection of 17 original papers from the project's 1978 conference illustrates both the effectiveness and limitations of communication strategies in changing the contours of a traditional culture. It was edited by Godwin C. Chu and Francis L.K. Hsu.

Other activities included the following:

A 405-page research report on "Satellite Television in Indonesia" edited by Alfian and Chu, has been revised. Chu participated in the 20th anniversary celebration of the Center by presenting a paper on "China's New Social Fabric" at a special symposium on May 14, 1980, at the National Academy of Science in Washington, D.C. Three case studies of communication systems in Tonga, Samoa, and the Marshall Islands have been completed by Ruth Runeborg.

Social Effects Project Activities

Impact of Satellite Communication in Indonesia. This was the fourth year of a six-year cooperative research jointly undertaken by the East-West Communication Institute and LEKNAS/LIPI (Indonesian National Institute of Economic and Social Research), with funding support from the Indonesian Ministry of Information. The objective is to assess the long-term impact of satellite-transmitted television on rural development in Indonesia.

During FY 80, statistical analysis was completed of the benchmark survey data collected in FY 76 from five provinces in Indonesia. Maswadi Rauf, a joint doctoral research intern, completed his doctoral dissertation which was part of the overall project. It was titled "Mass Media and Political Participation in Bali," and was supervised by Alfian and Godwin Chu. Alfian and Chu completed the revision of a research report, "Satellite Television in Indonesia." Progress was made in FY 80 in applying for a research grant from the Indonesian Ministry of Information for funding the post-television survey.

A paper by Chu, Alfian, and Mochtar Pabottinggi on "Value Analysis of Indonesian Television Drama" was presented at the 1980 annual convention of the International Communication Association. In addition to the research findings, the paper contains methods for value analysis.

Rusdi Muchtar, a Social Effects project research intern, completed his research on the impact of television in rural North Sulawesi. His research report is being reviewed by the publication committee.

An article on "Programming for Development in Indonesia" by Chu and Alfian has been published in the Journal of Communication in autumn 1980.

Coordinator: Godwin C. Chu

Communication in the People's Republic of China. The major activity was a conference on "Communication and China's External Relations," held in January 1980. Attending scholars came from the People's Republic of China, as well as those from Australia, Bangladesh, Malaysia, Philippines, Sri Lanka, Thailand, and the United States. Pan Tong Wen, of the Institute of International Studies in Beijing, presented a paper on "Promote Sino-U.S. Relations in the 1980s for Peace in Asian-Pacific Region and the World." Lin Song, of the same institute, prepared a paper on "Development of China's Relations with Countries of the Asian-Pacific Region." An Kang, Director of the Institute of Journalism Research, discussed the prospects of cooperation between two countries having different social and political philosophies. Other topics touched on academic exchange, trade and press exchange with China. The papers presented at the conference are being edited.

The papers presented at a 1979 conference on "Communication and Societal Integration in China" have been edited by Godwin Chu and Francis Hsu, and is now in the process of revision to keep apace with the social and political changes in China.

Progress was made in FY 80 to bring more participants from China for Institute programs. Frederick T.C. Yu, of Columbia University, visited China during early 1980 and came to the Institute in the summer of 1980 to complete a 211-page report on "Chinese Knowledge of the United States as Reflected in Mass Communication."

Coordinator: Godwin C. Chu

Pacific Ethnographies of Communication. Three country-specific background reports were completed. One of the papers, "The Kingdom of Tonga: History, Culture, and Communication," has been made available in the EWCI "Pre-Print Paper" series. The second report, "History, Culture, and Communication in Samoa," has been reviewed by the EWCI academic publications committee and will be issued in the pre-print series after suggested revisions are made. The third report, concerning the Marshall Islands, is being reviewed. Each of the papers was written by Social Effects research intern Ruth E. Runeborg, who drew upon a large number of published sources to produce a concise summary of the basic information that specialists in communication research would need to know in order to effectively plan studies in the particular island nations. The reports particularly emphasize the cultural and social structural factors that must be taken into account in assessing the social effects of communication.

Concurrently with the three background papers, field research was completed in the Kingdom of Tonga. S. Tavake Fusimalohi, a Social Effects research intern who is also the manager of the Tongan Broadcasting Commission, conducted extensive interviews in villages throughout the kingdom to investigate the effects of radio listening in three important areas: migration, traditional political communication channels, and the Tongan language. After six months of field research, which included interviews with leading political and administrative figures as well as H.R.M. the King of Tonga, Tavake came to the EWC to write a report of his findings. The report is now being edited.

Andrew Arno published a paper, "Fijian Gossip as Adjudication: A Communication Model of Social Control" in the Journal of Anthropological Research, Vol. 36, which deals with the ethnography of communication in Fijian villages. Arno also delivered a paper at the "Politics and Language in the Pacific" symposium of the annual meeting of the Association for Social Anthropology in Oceania. The paper is entitled "Impressive Speeches and Persuasive Talk: Traditional Patterns of Political Communication in Fiji's Lau Group."

Coordinator: Andrew Arno

Faculty Development Seminar. The project participated in the 1980 Faculty Development Seminar by presenting research findings on satellite television in Indonesia, communication in China, and communication systems in the Pacific.

Other Activities

Derek Overton, of Tasmanian College of Advanced Education, Australia, completed his research report on "International News on Television--A Tasmanian Perspective." He spent eight months working with the project as a Professional Associate. Joseph Wong, lecturer and chairman of the Department of Journalism, Chinese University of Hong Kong, came as a Joint Doctoral Research Intern under joint sponsorship with the University of Minnesota, and completed his Ph.D. dissertation on "Non-Consistency in Counter-Attitudinal Communication."

Cooperating Institutions

Chinese University of Hong Kong, Columbia University, Indonesian National Institute of Economic and Social Research (LEKNAS/LIPI), University of Indonesia, University of Minnesota, and Tonga Broadcasting Commission.

CI PROJECT 4. TRANSNATIONAL KNOWLEDGE UTILIZATION

Project Overview

A principal means of increasing cross-cultural understanding and improved international relations is the exchange of knowledge across national boundaries. This project includes research on the transnational use of knowledge for problem solving as well as several action programs for knowledge use, each aimed to serve a particular audience of knowledge users within the East-West Center region.

Project Objectives

The following objectives were set for the first year of this new project:

1. Test and refine the paradigm for transnational collaborative knowledge utilization. Expected products include journal articles and a monograph.
2. Facilitate rapid and effective application of research of the Communication Institute and cooperating institutions as well as that of other EWC Institutes. This is to be done through new courses, material and curricula in academic communication departments, training programs of government and non-government agencies and through news media, East and West.
3. Improve models of instruction for both university and staff training institutions (developed cooperatively through Communication Institute programs).
4. Develop, test and utilize a packaged training course in instructional design for educational radio developers.
5. Provide advanced education for university communication faculty of approximately 45 person-months per year.
6. Provide intensive professional experiences for up to nine Jefferson Fellows per year (38 persons months), and corresponding mass media knowledge utilization.

Project Accomplishments

Faculty Development Seminar on Communication Teaching. Held for an eleven-week period (May 26-August 9) during the summer of 1980. Twenty-one university teachers of communication from eleven countries work together with the Institute staff to share new knowledge from the field at large, to learn of outcomes of recent institute research, to develop new teaching methods, and to collaboratively develop innovative teaching materials for use in their home institutions.

Coordinator: Clayton Vollan

Management of Training. In response to a request from the University of Hawaii School of Public Health, the project provided a seminar on the management of training for Indonesian participants studying at the School of Public Health. This seminar utilized instructional modules developed through earlier project efforts.

Coordinators: Clayton Vollan, John Middleton and Sarath Gunatilake

Jefferson Fellows. This year's Jefferson Fellows Program for mid-career journalists focused on the general area of "Problems of Development of the Pacific Islands." The number of Fellows was increased to ten (10) through external financial support from Korean Traders' Foundation and Asia Foundation. The Jefferson Fellows made study trips to the Pacific Islands and the United States mainland and drew upon the expert knowledge of the Center's Institutes to improve their knowledge and understanding of the issues. In cooperation with the Department of Journalism of the University of Hawaii, two Fulbright students from the Pacific Islands joined the group as participant observers.

Coordinators: Jack Lyle and Ian Johnstone

Student Activities. During the year, students choosing to identify with the project participated in developing and building a computerized annotated bibliography and materials collection involving publications on knowledge utilization in their specialized areas of interest. Students contributed substantially to carrying out the Faculty Development Seminar and took active roles in other project activities.

Individualized Training. During the year a limited number of participants were provided training in project-related subjects in short-term, individualized units.

A new course on the History of Human Communication was offered to Institute students and University of Hawaii graduate students.

Coordinator: Wilbur Schramm

Project Planning

During the year it was decided that development of activities of the present Transnational Knowledge Utilization project would be facilitated by dividing them into two project areas:

1. Communication Education, dealing more directly with education, training and extending existing knowledge to relevant client systems, and
2. Transnational Knowledge Utilization (TKU), dealing with policy, theory, and the operation and effectiveness of knowledge utilization systems at the international and national level.

The new TKU project was approved to include 1980-81 as a planning year and then be launched as a major project in 1981-82 continuing through 1986-87.

The Communication Education project was also approved to formally begin in 1981 and continue until 1986.

Project Team

John Middleton, project leader; George Beal, Wijitha Dissanayake, and Clayton Vollan

EAST-WEST COMMUNICATION INSTITUTE

StaffDirector

Jack Lyle, PhD Mass Communication Research, Stanford University, 1959: Was member of the journalism faculty at UCLA for 13 years. Came to the East-West Center in 1975 from the Corporation for Public Broadcasting in Washington, where he was director of Audience Research. International experience includes serving as assistant director for world-wide study of the use of radio and television for instruction, a UNESCO project. Books and articles cover a wide scope of media problems but special focus has been the impact of television on audiences. Project leader for Telecommunication and Social Learning.

Assistant Director for Research

Godwin C. Chu, PhD Communication, Stanford University, 1963: Prior to joining Institute in 1974, was professor of communication and Director of Graduate Journalism Research Program at Southern Illinois University. Author of numerous monographs and articles on use of communication for development, especially its use in China. Project leader for Social Effects of Communication.

Assistant Director for Participants

Wijitha Dissanayake, PhD Traditional Media, University of Cambridge, 1969. Head of the Department of Mass Communication, University of Sri Lanka prior to joining the Institute. Has been Visiting Fulbright Research Scholar at the University of Pennsylvania, and award-winning radio broadcaster, and a working newspaper journalist.

Assistant Director for Education

Clayton Vollan, PhD Educational Communication and Technology, University of Washington, 1971. Joined the Institute after serving as United Nations Advisor for Communication and Training to the Ministry of Health in Turkey. Has taught at the University of British Columbia, the University of Hawaii and the University of Washington. Project leader for Communication Education.

Research Associates

Andrew Arno, PhD Social Anthropology, Harvard University, 1974. Joined the Institute in 1977 after being on the faculty of John Jay College of Criminal Justice, City University of New York and the University of Rhode Island. Also has a JD degree from the University of Texas. Has extensive anthropological field research experience in Fiji. Project leader for Communication Systems and Consensus Generation.

George M. Beal, PhD Sociology, Iowa State University, 1953. Before coming to the Institute as half-time research associate in 1977, was chairman, Department of Sociology and Anthropology and Charles F. Curtiss Distinguished Professor, at Iowa State University. Has had extensive overseas experience, including missions in India and Thailand. Research interests include adoption-diffusion, organizational coordination, and communication planning. Project leader for Transnational Knowledge Utilization.

Elizabeth Buck, MA Library Studies, University of Hawaii, 1967. Coordinated the Synthesis of Population Communication Experience project which included a series of

eleven monographs, a summary conference and the final report of the Institute's six-year project in this field. Current research interests include television sex-role socialization.

Meheroo Jussawalla, PhD Economics, Osmania University, 1964. Came to the Institute in 1977 after teaching at St. Mary's College in Maryland. She has taught and lectured in the United States, Germany, and India. From 1949 to 1973, was on the faculty of Osmania University, India, and was the Dean of the Faculty of Social Sciences. Has published widely in the field of development economics.

Hidetoshi Kato, PhD Sociology, Toyo University, 1976. Joined the Institute in 1972, divides time between East-West Center and Gakushuin University in Tokyo where he is Director of Research Institute for Oriental Cultures. Postgraduate work at Harvard and University of Chicago. Widely published in both Japan and the United States. Recent research has centered on popular culture and traditional media. On leave of absence through 1981.

D. Lawrence Kincaid, PhD Communication, Michigan State University, 1972. Served as a Peace Corps volunteer in Columbia. A member of the Institute's staff since 1972, currently working on studies of rural groups as they relate to developmental communication. Project leader for Communication Process and Context.

S. Garrett McDowell, PhD Political Science, University of California at Berkeley, 1979. He has taught at the University of California at Berkeley and at Davis. Prior to joining the Institute in 1977, he was a member of the Department of Political Science faculty at Western Illinois University. He has done collaborative field research in Hong Kong and Taiwan. His research interests include communication policy, planning, and decision-making, and the uses of mass media for culture change.

John M. Middleton, EdD Educational Planning, Harvard University, 1974. Former Executive Director of Program and Training Council of ACTION/Peace Corps. Has served as special assistant to director of Peace Corps, and as Peace Corps volunteer and staff in Korea and Micronesia. Recent research and publications have focused on innovative education, instructional television, and communication planning. Has directed the Population Education and Modular Professional Development projects since joining the Institute in 1972. (On leave of absence through 1982.)

Syed A. Rahim, PhD Communication, Michigan State University, 1968. Was chief of Rural Institution Section in Bangladesh Planning Commission before joining Institute in 1974, and participated in formulation of that country's first five-year plan. Directed research in Comilla Academy for Rural Development, 1963-1971. Master's degree in statistics from Dacca University. Project leader for Communication Policy and Planning.

Jim Richstad, PhD Mass Communication, University of Minnesota, 1967. Experienced as a journalist, taught in that field at the University of Hawaii prior to joining the Institute in 1970. Directed research on Flow of News in Pacific Basin, 1976-78. Presently continuing work on international communication policy, communication in the Pacific Islands, and was project leader of Flow of News.

Georgette Wang, PhD Journalism, Southern Illinois University, 1977. Has taught at National Chengchi University in Taiwan, and been a newspaper reporter.

Director-emeritus and Consultant to the Institute

Wilbur Schramm. Director-emeritus of the East-West Communication Institute, and former Distinguished Center Researcher. Was educated at Harvard University and the University of Iowa, where he received a PhD in 1932. Formerly Janet M. Peck Professor of International Communication, and director of the Institute for Communication

Research, Stanford University. Has done research on four continents. Of his more than 20 books and 100 articles, many have been translated into both European and Asian languages. Among his honors are the Missouri Gold Medal for distinguished service to journalism, the NAEB award for distinguished service to broadcasting, and the Deutschmann Prize for distinguished contribution to communication research.

Adjunct Research Associates

Chung-ying Cheng, PhD, Logic and Philosophy, Harvard University, 1963. Professor, Department of Philosophy, University of Hawaii. Editor of the Journal of Chinese Philosophy. Contributor of papers on the relevance of Chinese philosophy to contemporary communication theory.

Dennis Ogawa, PhD, Speech, University of California, Los Angeles, 1969. Professor, Department of American Studies, University of Hawaii. Author of several books on overseas Japanese and research dealing with assimilation of immigrant groups.

Frederick T.C. Yu, PhD, Journalism, State University of Iowa. CBS Professor of International Journalism, Columbia University. Author of Mass Persuasion in Communication and coeditor of Mass Communication Research -- Major Issues and Future Directions. Was associate dean of the Graduate School of Journalism, Columbia University.

Resource Materials Specialist

Sumiye Konoshima, MA Social Psychology, Columbia University, 1957, and MLS Library Studies, University of Hawaii, 1973. Was administrative manager for Wenner-Gren Foundation prior to coming to the East-West Center as a librarian in 1963.

Program Officers

Merry Lee Corwin, MA American Studies, University of Hawaii, 1977. Worked extensively in various countries of Southeast Asia, including serving as head of the Office of Information at the International Rice Research Institute, Philippines, and Information Advisor to USAID/Philippines.

Margaret White, MA Asian Studies, University of Hawaii, 1970. Was reporter for Associated Press and conference officer for Pacific and Asian Affairs Council in Hawaii.

Administrative Officer

Carolyn Ikeda, BA Education, University of Hawaii, 1971. Previously worked with University of Hawaii Center for Korean Studies and Multi-Cultural Center of the Hawaii Foundation for History and Humanities.

Administrative Assistant

Vera Hong, BA Sociology, University of Hawaii, 1947. Began association with East-West Center in 1962 working in the Institute for Student Interchange.

Publications Officer

Terry Schulze, BA Biology and Journalism, University of Hawaii, 1970. Worked as a research associate in a medical school, a newspaper reporter, a television news script writer, a technical editor, and a medical editor. Before coming to the Center in March 1979, was a publications editor for the University of California at San Francisco.

PROJECT PARTICIPANTS

COMMUNICATION POLICY AND PLANNING PROJECT

Fellows

Herbert S. Dordick, Visiting Professor and Director, Center for Communications Policy Research, Annenberg School of Communications, University of Southern California, Los Angeles, California

Bruce McKenzie, Lecturer-in-Charge, Warrnambool Institute of Advanced Education, Warrnambool, Victoria, Australia

Augustin A. Root, Director, Physical Operations, Johnson State College, Johnson, Vermont

Dan J. Wedemeyer, Assistant Professor, Department of Communication, University of Hawaii, Honolulu, Hawaii

Research and Professional Interns

Michael Hugh Anderson, Student, University of Hawaii, Honolulu, Hawaii

Mary Margaret Dickens, MA Student, University of Hawaii, Honolulu, Hawaii

Zenaida Caibiran Lacson, Intern, East-West Center, Honolulu, Hawaii

Gunn Won Lee, Teaching Assistant, Department of Sociology, University of Hawaii, Honolulu, Hawaii

Sang-chul Lee, PhD recipient, Mass Communication, University of Minnesota, Minneapolis, Minnesota

Karen Middleton, Intern, East-West Center, Honolulu, Hawaii

Gerald E. Moriarty, Supervisory Engineer, Planning and Development, Wellington, New Zealand

Melina S. Pagne-Morales, Research Associate, Institute of Mass Communication, University of the Philippines, Quezon City, Philippines

Mark Russel Rasmuson, MPH Student, University of Hawaii, Honolulu, Hawaii

Joyce Sankaran, Chief Executive Officer, Zilla Parishad, Nagpur, India

Kevin Schieffer, Resident Advisor, School for International Training, Brattleboro, Vermont

Students

Boonrak Boonyaketmala, Thailand, PhD, Political Science

Jaswinder Singh Brara, India, PhD, Political Science

Lydia Arguna Demafeliz, Philippines, MA, Political Science

Rocharek Laksaniyanon, Thailand, MEd, Educational Communication and Technology

Tayyab Mahmud, Pakistan, PhD, Political Science
Lawrence Arnold Meacham, Hawaii, PhD, Political Science
Ramli Mohamed, Malaysia, PhD, Political Science
Scott Hisao Nishioki, California, MA, Communication
Corrine Peterson Phuangkasem, Thailand, PhD, Political Science
Joseph Luke Plakkootam, India, MA, Sociology
Desamangalam Krishnan Sankaran, India, PhD, Political Science
Gerald Sussman, United States, PhD, Political Science
Komgrit Varakamin, Thailand, MA, Political Science
Dwight Keller Whitney, New Zealand, MA, Asian Studies
Ian Eastman Wolfe, Australia, PhD, Political Science

Workshop on Communication in Developed Countries

Participants

Anne W. Branscomb, Chairman of the Board, Kalba Bowen Associates, Inc., Cambridge, Massachusetts

Patricia May Edgar, Senior Lecturer/Chairperson, Center for the Study of Educational Communication and Media, LaTrobe University, Bundoora, Victoria, Australia

Geoffrey N. Evans, Deputy Leader of the Opposition, Parliament of Australia-Senate, O'Connor, A.C.T., Australia

Goran Hedebo, Staff, School of Journalism, University of Stockholm, Stockholm, Sweden

Gail M. Martin, Associate Professor, Telecommunication Research Group, Simon Fraser University, Burnaby, British Columbia, Canada

Jean McNulty, Research Associate, Telecommunication Research Group, Simon Fraser University, Burnaby, British Columbia, Canada

Anthony Smith, Researcher, London, United Kingdom

Donald Stewart, Lecturer, Department of Education, University of Otago, Dunedin, New Zealand

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K. Kurien, Professor, Rodeus Advertising, Bombay, India

V.V. Menon, General Manager, Grant Advertising, Bombay, India

Surat Metheekul, Staff, SJMC, Thammasat University, Bangkok, Thailand

Bhaskaran Nair, Staff, Publicity Division, Ministry of Culture, Singapore

Josefina Patron, Staff, National Media Center, Office of the President, Manila, Philippines

Dato Ahmad bin Haji Abdul Rahim, Secretary General, Ministry of Information, Kuala Lumpur, Malaysia

Encik Dol Ramli, General Manager, Bernama, Kuala Lumpur, Malaysia

Taworn Yawakun, Staff, Communication Authority of Thailand, Bangkok, Thailand

Workshop on Economics of Communication

Participants

Swadesh Bose, Economist, Development Economics Department, The World Bank, Washington, D.C.

Rita Cruise O'Brien, Research Fellow, Institute of Development Studies, University of Sussex, Sussex, United Kingdom

Heather E. Hudson, Director, Telecommunication Applications, Academy for Educational Development, Washington, D.C.

Charles Jonscher, PhD Student, Department of Economics, Harvard University, Cambridge, Massachusetts

Neil D. Karunaratne, Lecturer in Economics, University of Queensland, St. Lucia, Australia

Manfred Kochen, Professor, Mental Health Research Institute, University of Michigan, Ann Arbor, Michigan

Peter Moock, Associate Professor of Economics of Education, Columbia University, New York, New York

Marc U. Porat, Program Fellow, Program on Communications, Aspen Institute for Humanistic Studies, New York

Robert J. Saunders, Chief, Telecommunications Division, The World Bank, Washington, D.C.

Kimio Uno, Associate Professor, Institute of Socio-Economic Planning, University of Tsukuba, Ibaraki, Japan

Pacific Islands Press Institute

Participants

George Atkins Aesaeita'a, Editor/Publisher, Solomons Toktok, Honiara, Solomon Islands

Paul Asora, Sports Editor, Wantok Publications, Boroko, Port Moresby, Papua New Guinea

John D. Chick, Director of Extension Services, University of the South Pacific, Suva, Fiji

Penelope Hodgkinson, Honorary Sub Editor, Tonga Chronicle, Nuku'Alofa, Tonga

Stuart Inder, Publisher and Chief Executive, Pacific Publications (Australia) Pty., Ltd., Sydney, Australia

John W. Lamani, Editor of News and Current Affairs, SIBC, Honiara, Solomon Islands

Faimalanga Luka, Broadcasting and Information Officer, Radio Tuvalu, Funafuti, Tuvalu

Marii Mahutariki, Secretary to Premier, Editor Weekender, Premier's Department, Rarotonga, Cook Islands

Sano Malifa, Editor, The Observer, Apia, Western Samoa

Robert S. McClland, Publisher/Editor, Air New Zealand, Auckland, New Zealand

James William Moore, Director, Broadcasting, Apia, Western Samoa

Neil Leo Carl Willem Naessens, Features Editor, News Editor, Fiji Sun, Suva, Fiji

Trevor C. Norton, News Director, Maori and Polynesian Unit, Radio New Zealand, Auckland, New Zealand

Kaoti Onorio, Information Officer, Broadcasting and Publications Authority, Tarawa, Kiribati

Simon Peter Papage, Editor, News Drum, Ministry of Law and Information, Honiara, Solomon Islands

Sadaraka Metuakore Sadaraka, General Manager, Rarotonga, Cook Islands

Luke C. Sela, Editor, Post Courier, Port Moresby, Papua New Guinea

Tomasi Kiakia Tarau, Programme Officer, Tarawa, Kiribati

Leonard G. Usher, Organizing Director, Pacific Islands News Association, Suva, Fiji

Leulu Felise Va'a, Managing Editor, Samoa Times, Apia, Western Samoa

George Williams, Editor, News and Current Affairs, Radio Fiji, Suva, Fiji

Meeting on Development of Journalism Training Materials for the Pacific Islands

Participants

Faalogo Pito Faalogo, Publisher, Samoa Times, Apia, Western Samoa

Vijendra Kumar, Editor-in-Chief, Fiji Times, Suva, Fiji

John W. Lamani, Editor of News and Current Affairs, SIBC, Honiara, Solomon Islands

Luke C. Sela, Editor, Port Moresby, Papua New Guinea

Leonard G. Usher, Organizing Director, Pacific Islands News Association, Suva, Fiji

Decision-Making Processes in Communication Organizations Activity

Participants

Lee B. Becker, Associate Professor, School of Journalism, Ohio State University, Columbus, Ohio

John W. Dimmick, Assistant Professor, Department of Communication, Ohio State University, Columbus, Ohio

Patricia May Edgar, Senior Lecturer, LaTrobe University, Victoria, Australia

Geoffrey N. Evans, Principal Private Secretary to Senator John Button, Australian Senate, Canberra, Australia

Jaafar Kamin, Controller of Programme (TV), Department of Broadcasting, Kuala Lumpur, Malaysia

Vincent Lowe, Lecturer in Mass Communications, Universiti Sains Malaysia, Penang, Malaysia

Boonlert Supadhiloke, Dean, School of Journalism and Mass Communication, Thammasat University, Bangkok, Thailand

AMIC Meeting

Participants

Khorshed Alam, Secretary, Ministry of Information and Broadcasting, Dacca, Bangladesh

Sarath L.B. Amunugama, Secretary, Ministry of State (Information and Broadcasting), Colombo, Sri Lanka

Rosihan Anwar, Governing Chairman, Persatuan Wartawan Indonesia, Jakarta, Indonesia

Dja'far H. Assegaff, Staff, Persatuan Wartawan Indonesia, Jakarta, Indonesia

S. Bashiruddin, Head, Department of Communication and Journalism, Osmania University, Hyderabad, India

Naren Chitty, Research Consultant, Ministry of State (Information and Broadcasting), Colombo, Sri Lanka

Edwin Emery, Professor, Nanyang University, Singapore

Rogelio Feliciano, Communication Planning Officer, Economic Development Foundation, Makati, Philippines

Harmoko, Chairman, Persatuan Wartawan Indonesia, Jakarta, Indonesia

Somkuan Kaviya, Staff, School of Journalism and Mass Communication, Thammasat University, Bangkok, Thailand

Chamnong Koomalayawisai, Head, Planning and Public Relations Department, Bangkok, Thailand

ASEAN Meeting

Participants

Saravanan Chandramohan, Senior Controller/Head of Current Affairs, Ministry of Culture, Broadcasting Department, Singapore

Jaime Flores, Assistant Minister for Operations, Ministry of Public Information, Manila, Philippines

COMMUNICATION PROCESS AND CONTEXT PROJECT

Fellows

Barbara Newton, Assistant Professor in Psychology, University of Hawaii, Honolulu, Hawaii

Heung-soo Park, Associate Professor in Sociology, Yonsei University, Seoul, Korea

Wilbur Schramm, Director Emeritus, East-West Communication Institute, East-West Center, Honolulu, Hawaii

Irving Spaulding, Professor of Resource Economics and Rural Sociology, University of Rhode Island, Kingston, Rhode Island

Joseph Woelfel, Visiting Associate Professor, Department of Rhetoric and Communication, State University of New York, Albany, New York

Research and Professional Interns

Sung Yun Bak, PhD Student, Department of Linguistics, University of Hawaii, Honolulu, Hawaii

Duncan Brown, Research Assistant, Audio Visual Media Research Group, Open University, Buckinghamshire, United Kingdom

Maria Fe Fontanilla Caces, MA Student, Sociology Department, University of Hawaii, Honolulu, Hawaii

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Shoichi Iwasaki, Graduate Assistant, Department of East Asian Languages, University of Hawaii, Honolulu, Hawaii

Suk Ja Kim, Graduate Student, Communication Department, Michigan State University, East Lansing, Michigan

Nelly Mei-hwei Kung Lin, High School teacher, Taipei, Taiwan

Tomoko Matsuura, Graduate Student, Sophia University, Tokyo, Japan

Norma Pecora, Graduate Assistant, Governors State University, Park Forest South, Illinois

Ma. Victoria Pinpin, AB Student, Communication Arts, Ateneo de Manila University, Quezon City, Philippines

Ninette Rubinstein, Complementary Studies Tutor, Chelsea School of Art, London, United Kingdom

Luis Teodoro, Researcher/Grant Writer, State Immigrant Services Center, Honolulu, Hawaii

William Wuerch, MA Student, East Asian History, University of Oregon, Oregon

Students

Setiawan Abadi, Indonesia, MA, Political Science

Victoria Chau, California, MA, Asian Studies

Ma. Mirella Gotangco, Philippines, MA, Communication

Lai-seng Ho, Singapore, MS, Information and Computer Science

Hye-soon Kim, Korea, PhD, Sociology

Young-Seok Kim, Korea, MA, Sociology

Yoshikatsu Kiuchi, Japan, MA, Political Science

Patricia Policarpio Michaud, Philippines, MA, Communication

Uhn Cho Moon, Korea, PhD, Sociology

Robert Patrick Wells Norton, Massachusetts, PhD, Political Science

Kaoru Sato, Japan, MA, Communication

Young-sun Song, Korea, PhD, Political Science

Yuk-mei Tong, Hong Kong, MSW, Social Work

Television and Sex-Role Socialization Workshop

Participants

Carolina Fajardo, Chair, Department of Communication, Ateneo de Manila University, Quezon City, Philippines

Margaret Gallagher, Lecturer in Media Research Methods, The Open University, Milton Keynes, United Kingdom

Ana Chung Kong, Professor of Communication Science, Governors State University, Park Forest South, Illinois

Yasuko Muramatsu, Researcher, Radio and TV Culture Research Institute, Nippon Hoso Kyokai, Tokyo, Japan

Heung-soo Park, Associate Professor, Yonsei University, Seoul, Korea

SOCIAL EFFECTS OF COMMUNICATION PROJECT

Fellows

Alfian, Director, National Institute for Cultural Studies (LRKN-LIPI), Jakarta Pusat, Indonesia

Francis L.K. Hsu, Director, Center for Cultural Studies in Education, University of San Francisco, San Francisco, California

Frank Pasquale, PhD Candidate, Department of Anthropology, Northwestern University, Evanston, Illinois

Research and Professional Interns

John Michael Black, MA Candidate, Asian Studies Program, University of Hawaii, Honolulu, Hawaii

Cema A.B. Bolabola, Teacher, Nadroganavosa High School, Sigatoka, Fiji

Darryl Chiu, Graduate Student, School of Public Health, University of Hawaii, Honolulu, Hawaii

Sione Tu'itavake Fusimalohi, General Manager, Tonga Broadcasting Commission, Nuku'alofa, Tonga

Rusdi Muchtar, Research Assistant, National Institute for Economic and Social Research (LEKNAS-LIPI), Jakarta, Indonesia

Ruth Ellen Runeborg, Graduate Student, Anthropology Department, Northwestern University, Evanston, Illinois

Joint Doctoral Research Interns

Debra Connelly Kirch, Hawaii, Anthropology

Maswadi Rauf, Indonesia, Political Science

Joseph Wai-chung Wong, Hong Kong, Communication

Students

Ann Elizabeth Auman, United States, MA, Asian Studies

Tina Ching Yueh Chou, Taiwan, MA, Communication

Francis Daniel Duffy, Texas, MA, Communication

Joshua Lee Epstein, Hawaii, PhD, Anthropology

Kai-Ming Fung, Hong Kong, MA, Communication

Carl Joseph Hefner, Hawaii, MA, Anthropology

Dwanfan Ho, Taiwan, MA, Political Science

Tien-En Tony Kao, Taiwan, PhD, American Studies

John Gregory Knudsen, Nebraska, MA, Communication

Marian Dianne Lauterbach, United States, MA, ESL

Wing On Li, Hong Kong, MA, Communicatin

James Merrill Patton, California, MA, Pacific Islands Program

Chaiwat Satha-Anand, Thailand, PhD, Political Science

Werasit Sittitrai, Thailand, PhD, Political Science

Che-wei Zoe Tan, Taiwan, MA, Communication

Kit-bing Wat, Hong Kong, MA, Communication

Teresa Bik Kwan Wong, Hong Kong, MSW, Social Work

Conference on Communication and China's External Relations

Participants

Sultan Ahmad, Deputy Secretary, Ministry of Information and Broadcasting, Dacca, Bangladesh

An Kang, Director, Institute of Journalism Research, Beijing, China

Parris H. Chang, Professor of Political Science, Pennsylvania State University, University Park, Pennsylvania

Sen-Dou Chang, Professor of Geography, University of Hawaii, Honolulu, Hawaii

Montri Chenvidyakarn, Assistant Professor, Faculty of Political Science, Thammasat University, Bangkok, Thailand

Carol Fan, Lecturer, University of Hawaii, Honolulu, Hawaii

John H. Fincher, Fellow, Far Eastern History, Australian National University, Canberra, Australia

Fred C. Hung, Chairman, East Asian Studies, University of Hawaii, Honolulu, Hawaii

Ivan Izenberg, Chief, East Asia/Pacific Branch, Office of Research, International Communication Agency, Washington, D.C.

Harald Jacobson, Consultant, East Asia/Pacific Branch, Office of Research, International Communication Agency, Washington, D.C.

Daniel W.Y. Kwok, Professor of History, University of Hawaii, Honolulu, Hawaii

Stephen M.Y. Leong, Associate Professor, University of Malaya, Selangor, Malaysia

Lin Song, Staff, Institute of International Studies, Beijing, China

Chithambaranathan Mahendran, Director, Information and Publicity, Ministry of Foreign Affairs, Colombo, Sri Lanka

Crispin Maslog, Director, School of Communication, Silliman University, Dumaguete City, Philippines

Albert D. Moscotti, Professor, Asian Studies Program, University of Hawaii, Honolulu, Hawaii

Pan Tong Wen, Staff, Institute of International Studies, Beijing, China

Robert Smith, Chairman, Political Science Department, Chaminade University, Honolulu, Hawaii

Tien-yi Tao, Assistant Professor of History, University of Hawaii, Honolulu, Hawaii

Stephen Uhalley Jr., Professor of History, University of Hawaii, Honolulu, Hawaii

Gung-wu Wang, Professor of History, Australian National University, Canberra, Australia

James C.F. Wang, Professor of Political Science, University of Hawaii, Hilo, Hawaii

Richard W. Wilson, Director of International Programs, Rutgers University, New Brunswick, New Jersey

Professional Associates in Social Effects Activities

Thanavadee Boonlue, Assistant Professor and Head, Department of Development Communication and Public Relations, Chulalongkorn University, Bangkok, Thailand

Derek J. Overton, History Lecturer, Tasmanian College of Advanced Education, Launceston, Tasmania, Australia

TRANSNATIONAL KNOWLEDGE UTILIZATION PROJECT

Fellows

Ronny Adhikarya, PhD candidate, Institute for Communication Research, Stanford University, Stanford, California

Rogelio V. Cuyno, Staff, Department of Agronomy, College, Laguna, Philippines

Dennis D. Gooler, Director, Educational Development and Administrative Studies, Syracuse University, New York, New York

Nora C. Quebral, Professor and Chairman, Department of Development Communication, University of the Philippines, Los Banos, College, Laguna, Philippines

Jimmy Simmons, School of Education, Seattle University, Seattle, Washington

L. David Schuelke, Professor and Coordinator, Laboratory for Research in Scientific Communication, University of Minnesota, St. Paul, Minnesota

Frederick T.C. Yu, CBS Professor of International Journalism, Columbia University, New York

Students

Kirk Eric Bergstrom, California, MEd, Educational Communication and Technology

Douglas George Bond, Minnesota, PhD, Political Science

K.A.K. Sarath Gunatilake, Sri Lanka, MPH, Public Health

Margaret Josephine Obi, Papua New Guinea, MLS, Library Studies

Celia Jean Ogden, Washington, D.C., MPH, Public Health

Maria Luz David Ruiz, Philippines, MEd, Educational Communication and Technology

Adisak Sattam, Thailand, MPH, Public Health

Abdus Sattar, Pakistan, MLS, Library Studies

Kenneth Warner Tull, Oklahoma, MPH, Public Health

Faculty Development Seminar on Communication Teaching

Participants

Mohd Hamdan bin Adnan, Lecturer, Mara Institute of Technology, Selangor, Malaysia

Nobleza C. Asuncion-Lande, Associate Professor, Speech and Drama, University of Kansas, Lawrence, Kansas

Bae-Keun Cha, Assistant Professor of Communication, Seoul National University, Seoul, Korea

Chao-Rat Cherdchai, Assistant Professor, Faculty of Journalism and Mass Communication, Thammasat University, Bangkok, Thailand

Gunardi, Instructor in Agricultural Extension, Bogor Agricultural University, Bogor, Indonesia

Anne B. Hines, Lecturer in Communication, Massey University, Palmerston North, New Zealand

Huang-fu Ho-Wang, Assistant Lecturer, Department of Journalism and Communication, University of Hong Kong, Shatin, New Territories, Hong Kong

Wazir Husain, Assistant Professor, Department of Mass Communication and Journalism, Dacca University, Dacca, Bangladesh

Sarah S. King, Professor and Chairman, Communication, University of Hawaii, Honolulu, Hawaii

Khor Yoke Lim, Lecturer, School of Humanities, Universiti Sains Malaysia, Penang, Malaysia

Samarakoon B.R. Nikahetiya, Research and Training Officer, Agrarian Research and Training Institute, Colombo, Sri Lanka

Geerpuram Raghavan, Professor of Development Communication, Indian Institute of Mass Communication, New Delhi, India

Leela Rao, Assistant Professor, Department of Communication, Bangalore University, Bangalore, India

Bumrongsook Siha-Umphai, Professor, Faculty of Communication Arts, Chulalongkorn University, Bangkok, Thailand

Ted C. Smythe, Professor of Communications, California State University, Fullerton, California

Teresa H. Stuart, Instructor in Development Communication, University of the Philippines at Los Banos, College, Laguna, Philippines

Ilya Sudjono, Secretary to the Dean, Social Sciences, University of Indonesia, Jakarta Timur, Indonesia

Chung Woo Suh, Chairman, Department of Mass Communication, Yonsei University, Seoul, Korea

Victor Valbuena, Research Associate/Professorial Lecturer, Population Center Foundation, Metro Manila, Philippines

Vincenne A. Waxwood, Assistant Professor, Center for Advancing Intercultural Communication, University of Guam, Agana, Guam

Paul Yarbrough, Professor, Journalism and Mass Communication, Iowa State University, Ames, Iowa

Management of Training Seminar

Participants

Titiek Susilorini Brotowardojo, Staff, Surabaya, Indonesia

M. Rony Dalimunthe, Staff, Rural Sanitarian, Manado, Indonesia

Umar Hasan, Staff, Rural Sanitarian Manpower, Denpasar, Indonesia

John Sawarto Jonathan, Staff, Rural Sanitarian Manpower Development Project, Semarang, Indonesia

Pardjono Kromoredjo, Staff, Rural Sanitarian Manpower Development Project, Surabaya, Indonesia

Koderi Notodihardjo, Staff, Rural Sanitarian Manpower Development Project, Tulungagung, Indonesia

Satuhu Ismin Putra, Staff, Rural Sanitarian Manpower Development Project, Banjarmasin, Indonesia

Mohamad Qorib, Staff, Rural Sanitarian Manpower Development Project, Blitar, Indonesia

Soelihadi, Staff, Rural Sanitarian Manpower Development Project, Denpasar, Indonesia

Wardojo, Staff, Rural Sanitarian Manpower Development Project, Surabaya, Indonesia

Mohammad Asri Wase, Director, Sanitarian School, Jakarta, Indonesia

Jefferson Fellows Program

Maligi Evile, Programme Producer and Presenter, Radio New Zealand, Western Samoa

Sione Tu'itavake Fusimalohi, General Manager, Tonga Broadcasting Commission, Tonga

William Haomae, News Officer, Solomon Islands Government Information Office, Solomon Islands

Chull Huh, Assistant Foreign Editor, Cho Sun Ilbo, Seoul, Korea

Gwenda Iyechad, Assistant City Editor and Reporter, Pacific Daily News, Agana, Guam

Ian Johnstone, Reporter, Documentary and Features Department, Television New Zealand, New Zealand

George Lauriat, Transport and Energy Correspondent, Far Eastern Economic Review, Hong Kong

Kay Lynch, Reporter, Day Editor, United Press International, Honolulu, Hawaii

Leulu Felise Va'a, Editor, Samoa Times, Apia, Western Samoa

Zhixiong Ye, Sub-Editor, International News Department, Xinhua News Agency, Beijing, China

Participant/Observers in Jefferson Fellows Program

Bartholomew Nalpagu, Junior Reporter, New Limited, Honiara, Solomon Islands

Luseane Vaea, Trainee Reporter, Tonga Broadcasting Commission, Nuku'alofa, Tonga

Individualized Training in Transnational Knowledge Utilization

Participants

Cesar Frias, Audio-Visual Specialist, Philippine Council for Agricultural Resources Research, Los Banos, Laguna, Philippines

Dev Dhoj Karki, Health Inspector, Department of Health Service, Kathmandu, Nepal

Banshidhar Lall Shah, Health Educator, Department of Health Services, Pachali, Teku, Nepal

Krishman Shrestha, Senior Cartographer, Integrated Community Health Division, Department of Health Services, Kathmandu, Nepal

Course on the History of Human Communication

Participants

Kari Jeanne Anderson, Teaching Assistant, Communication Department, University of Hawaii, Honolulu, Hawaii

Annie Y.Y. Chan, Graduate Student, University of Hawaii, Honolulu, Hawaii

Alexander L. Chang, Graduate Student, University of Hawaii, Honolulu, Hawaii

Sirivatana Charuvatana, Graduate Student, University of Hawaii, Honolulu, Hawaii

Wendy C. Jensen, Graduate Student, University of Hawaii, Honolulu, Hawaii

David Kizer, Graduate Student, University of Hawaii, Honolulu, Hawaii

Sharlene K. Lum, Graduate Student, University of Hawaii, Honolulu, Hawaii

Linda Marie Matsumiya, Graduate Student, University of Hawaii, Honolulu, Hawaii

Anongsri Ngaocharoenchitr, Graduate Student, University of Hawaii, Honolulu, Hawaii
Shaukat A. Shah, Graduate Student, University of Hawaii, Honolulu, Hawaii
E. Victoria Shook, Graduate Student, University of Hawaii, Honolulu, Hawaii
Stephen R. Simpson, Assistant Librarian, Hawaii Pacific College, Honolulu, Hawaii
Darrell Duane Smith, Graduate Student, University of Hawaii, Honolulu, Hawaii
Michelle Stephens, Graduate Student, University of Hawaii, Honolulu, Hawaii
Kevin S. Tachibana, Graduate Student, University of Hawaii, Honolulu, Hawaii
Fely Tan, Graduate Student, University of Hawaii, Honolulu, Hawaii
Michael G. Yasak, Teaching Assistant, Communication Department, University of Hawaii,
Honolulu, Hawaii

TELECOMMUNICATION SYSTEMS AND SOCIAL LEARNING PROJECT

Fellow*

Kenneth K. Jones, Professor and Chairman, Department of Telecommunications and Film,
San Diego State University, San Diego, California

*Fellow in FY 1981 project on board at the end of FY 1980.

PUBLICATIONS AND OTHER PRODUCTS

Communication Policy and Planning

Educational Materials Package. John Middleton, Gus Root, Meow Khim Lim, George Beal, Meheroo Jussawalla. The Development Communication Planning Simulation Game, 5 volumes, Honolulu, 1979, 738 pages, 100 sets.

Book. Jim Richstad and Michael Anderson (eds.). Crisis in International News: Policies and Prospects, Columbia University Press, (in press).

Book Chapter. Jim Richstad and Michael Anderson. "Policy Context for News and 'New Order'," in Crisis in International News: Policies and Prospects, Columbia University Press, 1980.

Book Chapter. Jim Richstad and Michael H. Anderson. "International News: Looking Ahead," in Crisis in International News: Policies and Prospects, Columbia University Press, 1980.

Book Chapter. Jim Richstad. "Transnational News Agencies: Issues and Policies," in Crisis in International News: Policies and Prospects, Columbia University Press, 1980.

Annotated Bibliography. Meheroo Jussawalla and Karen Middleton (eds.). Economics of Communication, Pergamon Press, (in press).

Article. Jim Richstad and L.S. Harms. "News and the Right to Communicate," in Ethics and Mass Communication, (ed.) Anne van der Meiden. Utrecht: State University of Utrecht Press, 1980.

Article. Jim Richstad and Tony Nnaemeka. "Structured Relations and Foreign News Flow in the Pacific Region," Gazette, 26:4, (1980).

Article. Jim Richstad and Tony Nnaemeka. "Internal Communication Controls and Foreign News Coverage in Pacific Press Systems," Communication Research, (in press).

Article. Jim Richstad. "Third World vs. the Fourth Estate," in Perspectives, 1:3, (Summer 1980), pp. 21-27.

Paper. Jim Richstad and Tony Nnaemeka. "Approaches to International News Flow Studies," Occasional Paper Series, Asian Mass Communication Research and Information Centre, Singapore, December 1979.

Paper. Meheroo Jussawalla. "Transfer of Communication Technology and Its Impact on Development," paper presented at 1980 PTC, Honolulu.

Paper. Meheroo Jussawalla. "The Challenge of International Policy: NIEO and NWIO," paper presented at 1980 Arlie House conference.

Paper. Meheroo Jussawalla. "Two Global Orders: Emerging Issues for International Communications," paper presented at Annenberg School conference in Philadelphia.

Paper. Meheroo Jussawalla. "Bridging Global Barriers," EWCI occasional paper series.

Paper. Meheroo Jussawalla. "Economics of Educational Communication for Developing Countries," paper presented at ICA conference.

Paper. Garrett McDowell. "Culture, Media, and Policy: Some Implications of the Chinese Experience," EWC Perspectives magazine, (submitted).

Paper. George M. Beal, "An Organization in Its Task Environment," Simulation Tool Kit, EWCI.

Paper. George M. Beal. "Interorganizational Coordination," Simulation Tool Kit, EWCI.

Paper. John Middleton, George Beal and Melina Pugne. "The Use of Economic Concepts in Communication Practice," EWCI Economics of Communication Workshop, June 1980.

Paper. L.S. Harms and Syed A. Rahim. "Communication Problems in Society: To design, develop and maintain an inventory," paper prepared for the World Forum of Transnational Association, Brussels, Belgium.

Paper. Syed A. Rahim. "UNESCO and ITU Activities and the New Order--A Review of Debates and Developments and Their Implications for Future Decisions." Paper presented at the conference on World Communications: Decisions for the 80's held at the Annenberg School of Communications, University of Pennsylvania.

Other Products

The following case studies have been accepted for publication by the East-West Communication Institute after appropriate revisions:

Case Study. Zenaida T. Domingo, "The Community Advisory Board as the Grassroot Planning Arm at the Broadcast Media Council," (Philippines), Communication Institute, East-West Center, Honolulu, 1980, (p. 245).

Case Study. Boonlert Supadhiloke. "Radio Education in Thailand," Communication Institute, East-West Center, Honolulu, to be published, (p. 194).

Case Study. Ramli Mohamed. "Communication Planning Processes in the Muda Agricultural Development Authority (MADA)," (Malaysia), Communication Institute, East-West Center, Honolulu, to be published, (p. 166).

Case Study. Melina S. Pugne. "The Communication Planning Process in the Philippines Commission on Population," Communication Institute, East-West Center, Honolulu, to be published, (p. 257).

The following draft manuscripts have been completed and are ready for review:

Book. Syed A. Rahim and Patricia Edgar (eds.). Communication Policy in Developed Countries, manuscript under review by MacMillan.

Case Study. Robert H. Crawford. "Communication Planning Within New York State Cooperative Extension," (U.S.A.), Communication Institute, East-West Center, Honolulu, to be published, (p. 163).

Case Study. Gerald Klonglan and Chun-Nan Lo, "Communication Policy and Planning: A Case Study of the American Cancer Society Public Education Program," Communication Institute, East-West Center, Honolulu, to be published.

Case Study. Patricia Edgar. "The Introduction of Public Hearing for the Renewal of T.V. Licenses in Australia," manuscript ready.

Case Study. Vincent Lowe and Jaafar Kamin. "Decision making Processes in Communication Systems--A Case Study of T.V. Malaysia," manuscript ready.

Case Study. Lee B. Becker and John W. Dimmick. "Selecting the Gate Keepers: A Market Case Study of Personnel Decision Making in Media Organizations," manuscript ready.

Case Study. Linda J. Camp. "Citizen Participation in Public Access Television: A Case Study," manuscript ready.

Communication Process and Context

Project Products

Ala'Imoana, Repeka. The Solo Family: Samoan Migrants in Honolulu. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Arno, Andrew. Communication Behavior in Six Honolulu Families: An Experiment in Ethnographic Method. Final report of the Process and Context Ethnic Family Case Study Series, 1980.

Barnett, George A. and D. Lawrence Kincaid. A Mathematical Theory of Cultural Convergence. International and Intercultural Communication Annual, forthcoming.

Chung, Soon-Hee. Ethnographic Family Study: Korean Family in Hawaii. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Dinnanayake, Wimal. The Communication Significance of the Buddhist Concept of Dependent Co-origination. Paper presented at the annual meeting of the International Communication Association, Acapulco, Mexico, May 1980.

Dissanayake, Wimal. Some Classical Indian Conceptualizations of Human Communication: Themes for Further Research. Paper presented for the EWCI's seminar on Communication Theory from Eastern and Western Perspectives, Honolulu, December 16-22, 1980.

Dissanayake, Wimal. The Phenomenology of Verbal Communication: A Classical Indian View. Paper prepared for the EWCI's seminar on Communication Theory from Eastern and Western Perspectives, Honolulu, December 16-22, 1980.

Graham, Catherine. A Haole Family in Hawaii: An Ethnography of Communication. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Kincaid, D. Lawrence. Recent Developments in the Methods for Communication Research. Paper presented at the annual meeting of the International Communication Association, May 19, 1980, Acapulco, Mexico.

Kincaid, D. Lawrence. Questions and Answers about the Galileo Methodology for Metric Multidimensional Scaling. Paper presented at the EWCI's Television and Sex-Role Socialization Workshop, Honolulu, August 4-15, 1980.

Kincaid, D. Lawrence, Barbara Newton, Elizabeth Buck, and Georgette Wang. Television and Sex-Role Socialization. Research proposal submitted to the National Science Foundation, June 30, 1980.

Kong, Ana. Sex Roles on Television: A Comparison of Eastern and Western Media. International Journal of Intercultural Relations, Volume 3, 1979, pp. 437-445.

Newton, Barbara J. Possible Sources of Error in Metric Multidimensional Scaling: The Case of Three Ethnic Groups in Hawaii. Paper presented at the International Communication Association Meeting, Acapulco, Mexico, May 1980.

Newton, Barbara J. Sex Role Values of Mothers in Five Countries. Paper presented at the East-West Center Alumni Convention, Honolulu, Hawaii, August 1980.

Newton, Barbara J. Content Analysis of Dramatic Television Programs. Paper presented at the Annual Faculty Development Seminar, East-West Center, Honolulu, Hawaii, August 1980.

Newton, Barbara J., Joseph Woelfel, and Jisoo Geiter. PROGRAM NEWTON, computes the mean distances in time from one event to all subsequent events presented in televised or other mediated content, for subsequent multidimensional scaling and comparison to viewers' perceptions by means of the Galileotm computer program, August 1980.

Nitta, Fumiteru. The Two Japanese Families: Ethnography of Communication in Hawaiian Immigrant Families. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Rosca, Ninotchka. Three Generations: The Filipino-American. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Spaulding, Irving. A Systems Approach to Social Change and Communication. Paper submitted to EWCI for publication, Honolulu, August 1980.

Woelfel, Joseph and Edward Fink. The Measurement of Communication Processes: Galileo Theory and Method. New York: Academic Press, 1980.

Woelfel, Joseph, Barbara Newton, D. Lawrence Kincaid, James Dinkelacker, Richard Holmes, and Kim B. Kanaga. Inertia of Cognitive Processes: An Experimental Measure of the Mass of Occupation Names. Paper presented at the Annual Meeting of Mathematical Psychology, Madison, Wisconsin, August 1980.

Woelfel, Joseph, Richard Holmes, and D. Lawrence Kincaid. How To Do a Galileo Study. New York: Good Books, 1980.

Yanagisako, Deanna. A Glimpse at the Evolution of a Family. Research report, Process and Context Project Ethnic Family Case Study Series, Honolulu, 1980.

Caces, Fe. Contiguity of Network Associations and Layers of Ethnicity in a Philippines City. Master's thesis, Department of Sociology, University of Hawaii, 1980.

Michaud, Patricia Policarpio. Survey among Filipino Immigrant Subscribers of and a Content Analysis of Hawaii Filipino Newspapers. Master's thesis, Department of Communication, University of Hawaii, 1980.

Social Effects of Communication

Project Publications

Research Report. Alfian and Godwin C. Chu (eds.) Satellite Television in Indonesia. Jakarta: LEKNAS/LIPI and Honolulu, East-West Communication Institute, 1979. This is a research report on a cooperative research jointly undertaken by LEKNAS/LIPI and EWCI and partly funded by the National Science Foundation. Consisting of 12 chapters, it is currently under review.

Article. Arno, Andrew, "Fijian Gossip as Adjudication: A Communication Model of Social Control," Journal of Anthropological Research, Vol. 36.

Paper. Arno, Andrew, "Impressive Speeches and Persuasive Talk: Traditional Patterns of Political Communication in Fiji's Lau Group," paper presented at annual meeting of the Association for Social Anthropology in Oceania.

Article. Chu, Godwin C. and Alfian, "Programming for Development in Indonesia," Journal of Communication, Autumn 1980.

Paper. Chu, Godwin C., Alfian, and Mochtar Pabottinggi, "Value Analysis of Indonesian Television Drama," research paper presented at the 1980 annual convention of the International Communication Association, in Acapulco, Mexico.

Paper. Chu, Godwin C. and Francis L.K. Hsu, "China's New Social Fabric - Views of Inside from Outside," paper presented at special symposium in May 1980, at National Academy of Science in Washington, D.C. for the 20th anniversary of East-West Center.

Book. Chu, Godwin C. and Francis L.K. Hsu (eds.), Moving a Mountain - Cultural Change in China. Honolulu: University Press of Hawaii, 1979. This is a collection of 17 original research papers presented at a conference in January 1978.

Paper. Muchtar, Rusdi, "Impact of Television in Rural North Sulawesi," research paper currently under review.

Research Report. Overton, Derek, "International News on Television--A Tasmanian Perspective," research paper prepared for East-West Communication Institute.

Paper. Runeborg, Ruth E., "History, Culture, and Communication in the Marshall Islands," research paper currently under review.

Paper. Runeborg, Ruth E., "History, Culture, and Communication in Samoa," research paper currently under review.

Paper. Runeborg, Ruth E., "The Kingdom of Tonga: History, Culture, and Communication," Honolulu: East-West Communication Institute, 1980.

Research Report. Yu, Frederick T.C., Chinese Knowledge of the United States as Reflected in Mass Communication. This is a 211-page research report prepared on the basis of data collected by Yu during his trip to China in the spring of 1980.

Dissertations and Theses

Rauf, Maswadi, "Mass Media and Political Participation in Bali," PhD dissertation jointly sponsored with the University of Indonesia. EWCI advisor: Godwin C. Chu.

Wong, Joseph, "Non-Consistency in Counter-Attitudinal Communication," PhD dissertation jointly sponsored with the University of Minnesota. EWCI advisor: Godwin C. Chu.

Tan, Che-wei Zoe, "Communication Behavior and Political Involvement," MA thesis, University of Hawaii. EWCI advisor: Tony Nnaemeka.

Wat, Kit-bing, "A Study of the Contents of the Broadcasting and Print Media in the People's Republic of China and Their Impact on the Chinese Society." MA thesis, University of Hawaii. EWCI advisor: Wilbur Schramm.

Transnational Knowledge Utilization

Paper. George M. Beal, "Knowledge Generation, Organization, Dissemination and Utilization for Rural Development," 5th World Congress for Rural Sociology, Mexico City, August 1980.

Videotape Programs

"China After Mao - An Interview with A. Doak Barnett," Producer and Host: Clayton Vollan.

"Global Forces in the 1980's - An Interview with Johann Galtung," Producer: Clayton Vollan, Hosts: Syed A. Rahim and Tony Nnaemeka.

Culture Learning Institute

Verner Bickley, Director

Since World War II, there has been an exponential growth in international, cross-cultural interactions. It is certain to continue in the future due to advances in communications technology; the development of more rapid means of transportation; an expansion of international trade and monetary systems; increased transfer of science and technology; the need for collective security arrangements; and a rapid increase in the number of international organizations such as multinational corporations.

These international interactions tend to be deliberate rather than arbitrary, they take place (a) among individuals, groups of individuals and networks, (b) among sovereign states and their different agencies, (c) among international, intergovernmental organizations and non-governmental organizations, and (d) among emerging types of organizations reflecting the changing nature and complexity of interactions, such as supranational regional organizations whose governing structure mixes the interests of nation states, state-owned and private businesses, international, intergovernmental lending institutions and independent research organizations.

Problems of misunderstanding can occur when parties from different cultural and social systems are involved in international interactions. And while the results of these interactions (for example, a policy for the conduct of business agreed to between a government and a multinational corporation) are intended to benefit all the parties, there may be unintended effects, they might highlight the gap which exists between countries at different stages of development; bring about undesirable changes in indigenous value systems as the result of the impact of those operations on political structures and economic conditions; create or heighten prejudices among persons from different ethnic and cultural backgrounds because of historical animosities and economic competition for resources; or result in unequal distribution of knowledge essential to the economic, social and cultural development of countries.

The East-West Culture Learning Institute deals with these problems which stem from differences in the socio-cultural systems of the interacting parties.

The Institute seeks to understand the reasons parties engage in such interactions, to find ways of dealing with difficult social and cultural differences, and to assess the consequences of both intended and unintended outcomes.

CLI PROJECT 1: CONTACT LITERATURE IN CROSS-NATIONAL PERSPECTIVE

Project Coordinator: J.G. Amirthanayagam

Project Purpose

The purpose of the project is to generate new ideas and hypotheses about the literature of cross-cultural contact in the modern world. It is hoped that the study will lead to new uses of research materials which are presently limited in their utility, and enlarge their scope for further investigation.

The growth of contact literature in importance and volume is a contemporary phenomenon of great interest. The research group considers this literature to be the artistic expression of the harmonies and discords created by the meeting of cultures, and a product which reveals in active, continuing process of cross-cultural interaction.

The study of literature from this new perspective is expected to provide valuable insights into the literatures of different countries and to elucidate aspects of the nature of contemporary literary creativity. Such a study offers a way of understanding the responses of one culture to other cultures, since contact literature embodies the actual and continuing connections between and among cultures.

The major points of departure chosen for this study are (a) cultural pluralism, (b) the linguistic context, particularly in regards to the problems posed and the tensions created for the writer in the interaction between the dominant or intruding, and the native language, (c) the transition from oral to written or print culture, and (d) the modern writer in exile.

Project Objectives

1. To determine what contact literature reveals about the nature of the cross-cultural experience.
2. To ascertain how literature articulates the contact of cultures--what are the modes, levels, and forms of its occurrence.
3. To analyze the role of contact literature in influencing the process of cultural contact.

Project Accomplishments in 1980

The work for 1980 was organized into five tasks:

Task A: To hold a conference jointly sponsored with The International Cultural Society of Korea entitled The Global Situation: The Writer in the Twentieth Century and to edit and publish the conference papers.

The conference was held in Honolulu December 10-20. The papers are being edited for publication.

Task B: To describe and analyze that part of contact literature which is composed of Indian prose fiction written in English: this continues and supplements work on the same topic in 1979, but from a different point of view.

Papers by Amirthanayagam, Blaber and Brakmanis completed.

Task C: To describe and analyze that part of contact literature which is composed of recent influential American poetry that has been strongly tinged with Asian influences.

Denney completing book entitled The Portable Pagoda about Asian influences on the American poets Snyder and Ginsberg.

Task D: To describe and analyze contact-literature arising in the South Pacific region under the influence of a received oral tradition and imported written materials.

Subramani completed first draft of PhD dissertation on the relation of the oral tradition to the present culture of the South Pacific.

Task E: To develop a theoretical description of contact-literature in cross-national perspective.

Amirthanayagam has completed monograph for publication in Triquarterly.

CLI PROJECT 2: CULTURE AND THE INTERACTIVE PROCESS

Project Coordinator: David Wu

Project Purpose

The purpose of the project is to investigate social and cultural factors which affect both personal adjustment and social relations in multi-cultural settings. A general goal of the project is to identify and represent the assumptions and practices of various language and ethnic groups which bear upon social perception and interaction. A particular focus of this work is to examine the experience of individuals who live and interact regularly in multi-national and cross-national settings. Cultural differences and assumptions about social interaction are especially apparent in cross-national settings and may acutely affect both the individual's view of himself/herself as well as the nature of his or her relations with others. The outcome will be a better understanding of the forces involved in cross-cultural, cross-national interaction which contribute to the quality of social relations and individual well-being in such settings.

Project Objectives

The project has three main long-term objectives:

1. To identify cultural universals and culture-specific factors which affect social perception and interaction between ethnic and national groups.
2. To develop more effective interdisciplinary approaches to the study of culture in social interaction, including explicit methods for analyzing cultural antecedents of social conflict or solidarity.
3. To increase understanding of personal conflict in multicultural, international settings.

Project Accomplishments in 1980

The work for 1980 was organized in three different tasks:

Task A: To write-up and disseminate the findings of a cross-cultural study of emotion language and the cultural antecedents of emotional experience.

Boucher and participants completed manuscript of journal article on "Judgment of Emotion from American and Malay Antecedents." Boucher and participants completed book manuscript entitled Lexicons and Taxonomies of Emotion Language.

Task B: To analyze data on social and cultural processes which affect relations between members of different ethnic and national groups within single societies, particularly in commercial settings. To write up these data for dissemination to academic and non-academic audiences.

We published journal article "Cross-Cultural Interaction in Public Places" in Journal of Sociology and Psychology. Wu completed editing of manuscript of a monograph entitled Interpersonal Interaction in Pluralistic Societies to be published by CLI. Wu completed book manuscript entitled The Chinese in Papua New Guinea, which has been submitted for publication.

Task C: To conduct a pilot study of cultural factors in the interpersonal and mental health problems of expatriate students and overseas employees. To organize a planning conference for cross-cultural, collaborative research on these problems.

Carried out two conferences, Cultural Conceptions of Mental Health and Therapy Conference in cooperation with the Development of Interculturally Skilled Counselors (DISC) Training Project, University of Hawaii, and Workshop on Cultural Adaptation and Health Among International Students. White published a journal article entitled "Social Images and Social Changes in a Melanesian Society" in American Ethnologist. White and participants conducted a questionnaire study of "cultural attitudes of adjustment problems" among 30 U.S. students and 30 Hong Kong students at the University of Hawaii.

CLI PROJECT 3: CULTURAL PROBLEMS IN TREATY NEGOTIATION

Project Coordinator: John Walsh

Project Purpose

The purpose of this project is to examine the impact of treaty-making and treaty-negotiating on societies and cultures. Seeking to understand better the changes in thinking, feeling and behaving brought about by treaties between countries is seen as a rich and important source of culture learning. Treaties represent deliberate practical, national choices and agreements regarding what the country will and will not do. Therefore, they reflect the country's ways of seeing things, of perceiving opportunities and alternatives, of implementing values and priorities and of arriving at decisions and setting directions.

The project, like other Institute projects, deals with cultural aspects of interaction between the peoples of different cultures. In this project, the interaction is at the point of conscious, formal treaty-making by representatives of two or more governments.

Until 1983, the project will, for the following reasons, focus on the "Socio-Cultural Impact of the ASEAN Treaties": (1) The importance of ASEAN for the future of the region itself and for the world at large. (2) The richness of cultural insight to be derived from studying how countries of diverse cultural backgrounds interact among themselves and with the rest of the world under the impetus of formalized treaty arrangements.

Project Objectives

The objective of the ASEAN research is to examine ASEAN from five different perspectives:

1. ASEAN treaties and law of the sea problems.

Specific research objectives are to investigate:

- a. What has been the place of the sea in the life and culture of the Southeast Asian peoples?
- b. What has been the role of Southeast Asian peoples in the early development of the law of the sea?
- c. Is ASEAN a revival of the old cultural, social and trade ties and relations between the peoples of Southeast Asia in the new age?
- d. What is the rationale for wide archipelagic claims by Philippines and Indonesia and the effect of such claims on the traditional freedom of the sea?

- e. What is the impact of the emergence of ASEAN on the development of law relating to archipelagos?
 - f. What is the trend of the development of law relating to passage through straits and archipelagic waters consequent upon wide extensions of coastal state jurisdictions?
 - g. What are the disputes relating to division of the continental shelf between adjacent and opposite states in the ASEAN region, and how are they settling them?
 - h. What has been the effect of wide acceptance of fisheries jurisdiction and economic zones in the ASEAN region?
 - i. What has been the effect of wide awareness and acceptance of the need to control marine pollution on the freedom of navigation in the ASEAN region especially through the straits of Malacca and other high sea routes?
2. ASEAN treaties and changes in international relations perspectives.
- Specific research objectives are to investigate:
- a. The changes that have taken place in relations among ASEAN member states following the establishment of ASEAN in 1967.
 - b. The causes of such changes.
 - c. The impact of the changes on the future relations among the members, as well as between ASEAN and other countries.
3. The sociocultural impact of ASEAN treaties on scientific and technological interchanges and cooperation in ASEAN countries.
- Specific research objectives are:
- a. To evaluate historical-cultural factors influencing the desire of ASEAN states to bring about cooperative arrangements in the fields of science and technology in the region.
 - b. To analyze ASEAN treaties (Declarations, Agreements, Joint Statements, etc.) bearing on scientific and technological collaboration.
 - c. To determine the role of ASEAN machinery (Permanent Committees on Science and Technology, Food and Agriculture, Telecommunication, etc.) in promoting consultation and cooperation in planning and implementing scientific and technological projects.
 - d. To inquire to what extent institutions of higher education and research have been able to facilitate cooperation in the field of science and technology in the region.
 - e. To analyze linkages between ASEAN countries and other countries, particularly the United States and Japan, in the field of science and technology and their socioecultural implications.
4. The impact of the ASEAN treaties on education-communication.
- Specific research objectives are to investigate:

- a. What changes, if any, have taken place in the ASEAN countries in the organizations and administration of the formal elementary and secondary schools.
 - b. What changes, if any, have taken place in non-formal education programming, i.e., television, radio, press, continuing education.
 - c. What changes, if any, have taken place in programs for the preparation of teachers.
 - d. What curriculum changes have taken place or are planned in the curriculum--for example, in history, literature, and social studies courses in which one objective might be to promote regional solidarity while emphasizing and preserving national identity.
 - e. What changes are taking place at the level of research, for example, within ASEAN studies program or at research centers.
5. ASEAN treaties and their impact on legal systems.

Specific research objectives are to investigate:

- a. What changes are taking place within the ASEAN countries in terms of legal thinking, institutions, and practices.
- b. What effect does ASEAN have on the development of international legal theory and practice. Specifically, what impact do ASEAN treaties and practices have on the legal practices of international/regional organizations?
- c. What can be expected in terms of legal developments within ASEAN and its member states in the foreseeable future. What effects will these developments have on member states, the ASEAN organization, and the rest of the international community?

In addition to the above objectives, the Cultural Problems in Treaty Negotiation project is involved in the Inter-Institute Oceans Project, Extended Maritime Jurisdictions: Environment and Resources Management Issues. The Cultural Problems in Treaty Negotiations project is particularly concerned with an analysis of problems of ocean development in Southeast Asia, with particular reference to China.

Project Accomplishments in 1980

There were two main goals for this year. To do research for monographs relating to each of the topics described above, and to conduct a Workshop-Seminar, "Problems and Progress in Cultural Development in ASEAN". This meeting was held in Manila in June, 1980 with the joint sponsorship of the University of the Philippines Law Center. Papers from the conference have now been edited and are being published jointly by CLI and the University of the Philippines Law Center.

In addition, the following project-related articles were published by project staff members:

Anand, "Mid-Ocean Archipelagos in International Law," in Indian Journal of International Law.

Anand, "The Legality of Interim Seabed Mining Regimes," Foreign Affairs Reports.

Walsh, "Treaty-Ending: Who Decides," East-West Perspectives.

CLI PROJECT 4: IMPACT OF TRANSNATIONAL INTERACTIONS

Project Coordinator: Krishna Kumar

Project Purpose

The purpose of this project is to examine and analyze the socio-cultural contexts and consequences of certain kinds of non-governmental interactions on industrializing and industrialized nations. The project is currently focussing on (1) transnational linkages in the social sciences, and (2) multinational corporations (MNCs).

Project Objectives

The objective of the social science study (Task A) is to determine, on an empirical basis, the impact of transnational social science interactions and linkages on (a) the growth of indigenous knowledge, theories, and research interests in industrializing nations, (b) the establishment of an infra-structure for the production and diffusion of knowledge, which is largely supported by local resources and expertise, and, (c) the recommendations made by social scientists for the solution of national and international problems.

In the MNC area, the project is concerned with how direct foreign investment affects, and is in turn affected by, the societies and cultures of host countries. We have chosen to examine three ways in which the presence of direct foreign investment has created a new set of relations for people in the host countries: (1) the employment of women in multinational electronic companies (Task B), (2) the transfer of skills in export processing zones (Task C), and (3) the growth of multinational companies from developing nations (Task D).

Project Accomplishments in 1980

Task A: In 1980 the social science portion of the project concentrated on the analysis of macro-level data on transnational social science networks and interactions, and on the codification of United States' interview data. The findings were diffused to the academic community through publication in academic journals.

Journal articles which came out of this task in 1980 were:

Kumar, "Education, Adoption of Innovations and Individual Modernity in Developing Nations (with F.B. Waisenan)" in International Journal of Comparative Sociology. In addition, Kumar and Raju completed two articles on transnational social science networks and Raju completed an article entitled "Indigenization of Social Sciences."

Task B: (Women Employees of MNCs). This task focusses on the consequences for women of the rapid expansion of multinational corporations engaged in labor-intensive production in countries in Asia and the Pacific. The electronics industry has been selected as a particularly important example of this trend. Some of the specific issues being considered are (a) the characteristics of employment: labor practices, terms of employment, job structures, wages, working conditions, etc. and (b) the demographic, economic, social and cultural consequences of such employment on women as employees, as citizens, and as individuals.

Articles which came out of this task in 1980 are:

Snow, "Multinational Corporations in Asia: The Labor Intensive Factory," in Bulletin of Concerned Asian Scholars. In addition, the following five papers were prepared as Working Papers of the East-West Culture Learning Institute:

Hancock, "The Electronics Industry in New Zealand: Exploitation of Women and International Dependence."

Hancock, "Electronics: The International Industry--An Examination of U.S. Electronics Offshore Production Involving a Female Workforce in Southeast Asia."

Hancock, "Women and Transnational Corporations: A Bibliography."

Green, "Silicon Valley's Women Workers: A Theoretical Analysis of Sex-Segregation in the Electronics Industry Labor Market."

Snow, "The New International Division of Labor and the U.S. Workforce: The Case of the Electronics Industry."

Task C: (Export Processing Zones). Export processing zones play a unique role in many developing countries as the principal vehicles for attracting initial export-oriented direct foreign investment. Since the zones are enclaves, it is possible for both the host governments and the investing companies to use them as testing grounds; thus the zones may reveal benefits and problems that may take years to become apparent in less specialized environments.

In 1980 the task focused on the quality of the technological and managerial skills that are transferred by the highly specialized assembly operations that are commonly found in zones and are attempting to ascertain the degree to which these skills are diffused to the host countries. Extensive fieldwork was conducted in Malaysia and the Philippines under sponsorship from The World Bank and from OECD.

Papers which came out of this task in 1980 were:

Lester, "The Case of Export Processing Zones in Malaysia."

Lester, "The Case of Export Processing Zones in the Philippines."

Task D: (MNCs from Developing Countries). An important development during the last decade has been the internationalization of companies in advanced developing countries. The main focus of this task is the socio-cultural context of the emergence of these multinationals and the implications of their growth for the development of home and host nations.

In 1980 both micro and macro-level data will be collected. At the micro-level several case studies on the growth, management and operations of these firms are being planned. At the macro-level, country specific data will be collected from primary and secondary sources in India, Korea and Taiwan.

Publications which came out of this task in 1980 were:

Kumar, "Multinational Corporations and Transnational Relations" in Journal of Political and Military Sociology. In addition, Kumar and McLeod completed editing a book entitled Multinationals from Developing Nations and submitted it for publication. Kumar completed a chapter entitled "Foreign Direct Investment by Public Sector Enterprises of LDC's" in the above book. Kumar also completed two articles on multinationals from developing countries.

CLI PROJECT 5: LANGUAGE FOR INTERNATIONAL COMMUNICATION

Project Coordinator: Larry Smith

Project Purpose

This project seeks to explain how individuals and organizations may deal more effectively with language problems related to the use of an international language

in an international setting. Language problems in international business, research and development projects, professional organizations, and educational programs will be studied.

Project Objectives

The objectives of this project are:

1. To develop a theory of how individuals and organizations deal with international language problems.
2. To develop and test models for forecasting demand for international languages to assist policy makers.
3. To develop and test prototype materials which will lead to more effective participation and communication in international settings.

Project Accomplishments in 1980

Task A: This task focusses on international language use in professional organizations from two complementary directions: (1) organized language correction (e.g. international committees of scientists defining principles of term formation) and (2) individual correction while speaking. The directions meet in the question: how do individual needs motivate organized correction of language?

In 1980 the task undertook the following: (1) to describe international organizations of language correction for the professions, (2) to develop a case study of language problems and correction in an international research and development project, (3) to gather data on language problems and correction in international conferences, and (4) to gather data on individual correction.

Publications in 1980 from this task were:

Smith and Rafiqzad, "English for Cross-Cultural Communication: The Question of Intelligibility," in TESOL Quarterly.

Trifonovitch, "Culture Learning/Culture Teaching," in Readings of English as a Second Language for Lecture and Teacher Trainers by Kenneth Croft.

Via, English in Three Acts. Book reprinted in Taiwan.

Via, "Never on Wednesday." Reprinted in Natural English, a textbook published in Taiwan.

Smith, "Varieties of English Should be Learned," in The English Journal.

Also completed but not yet published are the following:

Smith, edited a textbook entitled English for Cross-Cultural Communication.

Jernudd and Thuan completed a technical report entitled To Err is Human: Control of Language Through Correction.

Jernudd and Thuan completed a technical report entitled Naming Fish: Problem Exploration and Materials Collection.

Task B: The focus of this task is on identifying and generating materials which will help individuals deal with the problems of using an international language in international settings.

In 1980 this task completed the following undertakings:

1. Drafted paper describing and classifying techniques presently being used in language materials to help individuals cope.
2. Completed draft bibliography and resource persons list.
3. Developed a test instrument to determine the degree of intelligibility of, and attitudes toward, the varieties of English used in Asian and Pacific countries.

Publications in 1980 from this task are:

Bickley, "English Teaching in Burma," in English Around the World, New York and "English as a Language of Mediation," in English Around the World, New York.

Task C: This task focusses on developing models for forecasting demand for international language for use by policy makers. These models incorporate trends in the use of international languages and language implications of national and private sector planning, and take into account scenarios of various futures.

In 1980 this task accomplished the following:

1. It produced a set of working papers ("Models for Forecasting Demand for International Languages," and a paper illustrating how social impact assessment methods could be used in educational policy making, both by Brownell) that synthesized concepts and practices concerning forecasting and needs assessment in so far as they are relevant to foreign language needs assessment, the world situation in international languages, and language demand scenarios.
2. It identified individual researchers and agencies in Asia and the United States willing to cooperate with the team on developing models for forecasting international language demand.

Task D: The objective of this task was to determine the role and use of an international language (English) in the business sector in selected locations, to assess the need for handbooks which would assist the business community in dealing more effectively with problems of international communication, and to develop prototype handbook materials.

In 1980 the task focussed on companies in Japan and Thailand. Questionnaires were distributed to six companies in Japan and six in Thailand. Task members developed prototypical material for a handbook based on English language functions that seemed most difficult for Thai speakers and developed a 150 item English communicative capability test for Thai native speakers.

Task E: The objective of this task is to classify and describe language problems as identified by language teaching institutions which prepare people to use an international language in international settings.

In 1980 questionnaires were developed and administered in China, Hong Kong, Japan and Thailand.

EWCLI PROJECT 6: PROBLEMS IN INTERNATIONAL COOPERATION

Project Coordinator: Kathleen Wilson

Project Purpose

The purpose of this project is to study the problems and processes involved in the management of international cooperative research and development projects. The project team will examine and analyze key variables that characterize research and development work through international cooperation. We are interested especially in the socio-cultural elements that underlie and influence the management processes of such projects. We want to better understand how people work with one another, what problems they encounter, how they handle these problems, and what management strategies are employed when people from different countries work together in research and development projects aimed at international concerns. We hope to produce management aids and educational materials which will help people, especially project coordinators, to be more effective in such activities.

Project Objectives

The objective of the project is to gain insight into the following questions:

1. What is the policy and practice of cooperation in research and development among international organizations?
2. What characterizes the processes involved in the management of international cooperative research and development projects?
3. What problems are encountered by project managers and participants use and learn when engaging in international cooperative research and development projects?
4. What competencies do project managers and participants use and learn when engaging in international cooperative research and development projects?
5. How are social and cultural differences among participants and project managers accounted for in the design and conduct of international cooperative research and development projects?
6. How is knowledge created, shared and used in the context of such projects?

Project Accomplishments in 1980

The following publications were produced by project staff during 1980:

Monographs

Singh, Teacher's Perception of Teaching: A Newfoundland Study (with I.J. Baksh). St. John's Memorial University.

Wilson, Culture and Social Change: Approaches to Culture-Based Social Work Education and Practice. United Nations, Bangkok.

Technical Reports

Wilson, The Wellsprings of Social Action: A Society's Cultural Matrix.

Dinges, Psychological Models for Assessing Ethnocultural Factors in Social Competence (with L. Duffy). Technical report to Organizational Effectiveness Research Program (ONR).

Dinges (et al.), Person X Situation Research Strategies for Interethnic Empathy, Interethnic Competence and Ethnic Trait Attributions in the Job Setting. Technical report to Organizational Effectiveness Research Program (ONR).

Wilson, Factors Influencing the Management of Effective International Cooperative Research and Development Projects. The Australian Commonwealth Scientific and Industrial Research Organization's Centre for International Research Cooperation.

Wilson, Brownell, Brislin, Casino and Dinges, Problems in International Cooperation: Factors Related to Management Competence and International Cooperative Research and Development Project Effectiveness.

Articles

Brislin, "Orientation Programs for Cross-Cultural Preparation," in Marsella (et al.) ed., Perspective in Cross-Cultural Psychology.

Brislin, "Translation and Content Analysis of Oral and Written Materials," in Triandis and Berry eds. Handbook of Cross-Cultural Psychology.

Pedersen, "Culturally Appropriate Education for Children in Hawaii," (with R.P. Calkins), School Psychology International.

Brislin, "On Being Understood: The Listener's Contribution to the Toddler's Ability to Communicate," (with S. Braunwald), in P. French, ed., The Development of Meaning: Psycho-Linguistic Series.

Brislin, "Cross-Cultural Research Methods: Strategies, Problems, Applications," in I. Altman et al., ed., Human Behavior and Environment.

Brislin, "Increasing the Range of Concepts in Intercultural Communication Research: The Example of Prejudice," in W. Davey, ed., International Theory and Practice: Perspectives on Education, Training and Research.

Brislin, "Recurrent Research Problems in Cross-Cultural Training," in D. Barker, ed., Handbook for Intercultural Trainers.

EAST-WEST CULTURE LEARNING INSTITUTE

Director

Verner Bickley, PhD Linguistics and Education, University of London, 1966. Before becoming director of the Institute in 1971, was language officer of the British Council in Japan and first secretary of the British Embassy Cultural Department in Tokyo. Spent more than 20 years in Asia, first with the British Overseas Civil Service and then with the British Council. Formerly Visiting Professor, University of Tokyo; Professor of Language and Linguistics, University of Indonesia; Adviser on Language Teaching, Rangoon, Burma; Education Officer, Singapore. Active as news-caster, actor, scriptwriter, and director in radio and television with the BBC Radio Singapore, Radio Republik Indonesia, the Burma Broadcasting Service, and the NHK in Tokyo. Was made a member of the Order of the British Empire by H.B.M. Queen Elizabeth in 1964.

Assistant Director for Academic Affairs/Research Associate

Mark Lester, PhD Linguistics, University of California, Berkeley, 1964; MBA, University of Hawaii, 1979. Came to the CLI from the University of Hawaii Department of English as a Second Language, of which he was chairman from 1969-1972. Is conducting research in the Impact of Transnational Interactions Project.

Assistant Director for Program Affairs/Research Associate

Gregory Trifonovitch, MA Linguistics, University of Hawaii, 1975. Had twenty years experience as an educator in the Pacific and Middle East. From 1963-1967 was education consultant and administrator for teaching English as a second language in the Trust Territory of the Pacific. Is conducting research in the "Problems of International Cooperation" project.

Research Associates

Guy Amirthanayagam, MA Social Science, Syracuse University, 1963. Was Deputy High Commissioner, Sri Lanka High Commission in London, before joining CLI in September, 1974. Spent 24 years in the Sri Lanka Civil Service as chairman of the National Salt Commission in Sri Lanka, Assistant Postmaster General, and chairman of the Ceylon Chemical Corporation. Was member of Commonwealth Scientific Committee, the Board of Governors of Imperial College of the University of London, the Commonwealth Education Liaison Committee, and the Rhodesia Sanctions Committee. Is coordinating the "Contact Literature in Cross-National Perspective" project.

Ram P. Anand, JSD Public International Law, Yale University, 1964. Was Rockefeller Foundation Fellow in International Organizations, Columbia University, 1960-61; Research Associate, World Rule of Law Center, Duke University Law School, 1964-65; Professor of International Law and Chairman, Centre for Studies in International Law, Diplomacy, and Economics, Indian School of International Studies (now part of Jawaharlal Nehru University), New Delhi, 1965-78; Legal Consultant to UN Secretary-General on Law of the Sea, 1973. Is conducting research in the "Cultural Problems in Treaty Negotiation" project.

Jerry D. Boucher, PhD Psychology, University of California, San Francisco, 1971. Joined CLI in December, 1973. From 1971-73, was assistant research psychologist, University of California, on assignment to the Institute for Medical Research, Kuala Lumpur, Malaysia. Is conducting research in the "Culture and the Interactive Process" project.

Richard W. Brislin, PhD Psychology, Pennsylvania State University, 1969. A social psychologist who has worked in Micronesia and Washington, D.C., is the co-author of the book Cross-Cultural Research Methods (1973), and coordinator of work done at the East-West Center which led to the Handbook of Cross-Cultural Psychology (1980). He has been the United States representative to the Executive Board of the International Association for Cross-Cultural Psychology (1974-75). Is conducting research in the "Problems of International Cooperation" project.

John A. Brownell, EdD Education, Stanford University, 1952. Deputy Chancellor for Academic Affairs, 1968-1975 and Vice-President for Academic Affairs, 1975-1979 at East-West Center. Previously Professor of Education and Director of Secondary and Junior College Teaching Internship Program at Claremont Graduate School in California 1958-1966 and was also visiting professor of education at the International Christian University, Tokyo, 1964-65. Was Associate Director for Planning and Evaluation at the Hawaii Curriculum Center and researcher, Education Research and Development Center, University of Hawaii, 1966-1968. Is conducting research in the "Problems in International Cooperation" project and in the "Language in International Organizations" project.

Richard Chadwick (Adjunct Research Associate), PhD Political Science, Northwestern University, 1966, and professor of Political Science, University of Hawaii. Joined the Institute in June 1979. Research Associate, Simulated International Process Project, Northwestern University, 1966-67. Joined University of Hawaii 1968 as Research Political Scientist, Operations Research, Cornell Aeronautical Laboratory, Inc., and Research Associate, Center for International Affairs, Harvard University.

Björn Jernudd, PhD General Linguistics, Umea University, Sweden, 1972. MBA, Stockholm School of Economics, 1966. Was Senior Lecturer in Linguistics at Monash University, Melbourne 1966-74; Senior Fellow in the former Institute of Advanced Projects, EWC, 1968-69; Project Specialist, Ford Foundation Cairo Field Office, 1974-76; and Consultant, CLI, 1976-77. Is coordinating the "Language in International Organizations" project.

Sung-Hwan Ho, PhD Economics, Yale University, 1975. Professor of Economics and Director of Research Institute for Economics and Business, Sogang University, Korea, 1975-1980. Formerly Research Associate, Economic Growth Center, Department of Economics, Yale University; Director, Division of International Cooperation, Federation of Korean Industries and Director, Foreign Investment Service Center, Federation of Korean Industries. Was Advisor, Industrial Research Committee, Korea Development Bank, 1976-1978 and is Vice-President, International Economic Association of Korea.

Krishna Kumar, PhD Sociology, Michigan State University, 1972. Has been assistant director for research, the Gandhi Peace Foundation in New Delhi, and a faculty member of the College of Urban Development, Michigan State University. Joined CLI in May, 1974. Is coordinating the project, "Impact of Transnational Interactions." Is currently involved in research on third world transnational enterprises, and transnational social science networks.

Thomas Maretzki (Adjunct Research Associate), PhD Anthropology, Yale University, 1957, and professor of Anthropology and Psychiatry, University of Hawaii. Joined the Institute in July 1979. Has been Director, National Institute of Mental Health Training Program in Psychological Anthropology; Co-Chairman, Conference on Anthropology and Mental Health, Palo Alto; Member of Review Committee for Anthropology, National Institute of Mental Health.

Choon-ho Park, PhD Public International Law, Edinburgh University, 1971. Was Foreign Language and Curriculum Officer, Ministry of Education, Korea, 1962-1968; post doctoral fellow, Faculty of Law, Toronto University, 1972; Ocean Studies

Fellow, Woodrow Wilson International Center for Scholars, 1973, and Research Fellow and Associate, East Asian Legal Studies, Harvard, 1974-1978. Is conducting research in the "Cultural Problems in Treaty Negotiation" project.

Larry Smith, MA TESOL, University of Hawaii, 1969. Taught for four years in Thailand with Peace Corps and the Southern Baptist Convention and has traveled extensively in Asia. Was coordinator of the project, "Language for International Communication."

John Walsh, PhD Philosophy of Education, Yale University, 1953. Spent 1953-70 at the University of Notre Dame, occupying positions as chairman of the Department of Education and then Vice-President of Academic Affairs. Is conducting research in the "Cultural Problems in Treaty Negotiation" project.

Geoffrey White, PhD Anthropology, University of California, San Diego, 1978. Held Foreign Area Fellowship from Social Science Research Council for dissertation on the Solomon Islands, 1974-1976. Received Stirling Award in Culture and Personality Studies, 1977. Is conducting research in the "Culture and the Interactive Process" project.

Kathleen Wilson, PhD Education (Curriculum and Instruction and Nonformal Education), Michigan State University, 1978. Was Research Assistant and Instructor at Texas Woman's University, 1967-1970; Vice-President of Program and Publications for Pioneer Girls Inc., 1970-1975; Acting Director of Educational Design Associates 1975-1977; Administrative Assistant, Michigan State University/AID Indonesia Projects. Nominated for Most Outstanding Personality in the Midwest, 1973 and Outstanding Young Women in America in 1978. Is coordinator of the "Problems in International Cooperation" project.

David Wu, PhD Anthropology, Australian National University, 1974. Formerly staff member of the Institute of Ethnology, Academia Sinica, Taiwan. Author of studies on immigrant adaptation. Honorary Associate Fellow, Academia Sinica. Is conducting research in the "Culture and the Interactive Process" project.

Educational Specialist

Richard Via. Was in professional theatre for 23 years as actor, stage manager, and director. Spent four-and-a-half years in Japan as a Fulbright Lecturer and on a grant from the JDR Third Fund. Served as researcher and advisor to the English Language Education Council in Tokyo, and as consultant to Encyclopedia Britannica. Was Assistant Professor in Department of English as a Second Language, University of Hawaii. Special interest in Cultural Manifestation Series of the Culture Learning Institute and in use of drama techniques for teaching/learning language and culture.

Professional/Administrative

Lyn Anzai, MA Asian Studies, University of Hawaii, 1968. Program Officer, Special interest in Asian studies with emphasis on East Asian sociology, history, and art history. Currently JD candidate.

William Feltz, MA Ethnomusicology, University of Hawaii, 1970. Resource Materials Specialist. Is an ethnomusicologist with special interest in Japanese and Korean music.

Kenzi Mad, BA Education, University of Guam, 1971. Program Officer. Was instructor-supervisor at the Community College of Micronesia before joining CLI in February, 1973. Has qualifications in elementary education and elementary school administration.

Hazel Tatsuno, Certificate, Secretarial Science, Cannon's College of Business, 1949. Administrative Officer. Has been with EWC since its inception. Prior to joining

CLI in 1970, was senior administrative assistant in the former Institute of Advanced Projects.

Educational Technologist

Paa-Bekoe Welbeck, PhD Instructional Development and Technology (audio-visual communication), Michigan State University, 1971. Was the Director of the Suicide Project and Assistant Professor, Department of Psychiatry, Michigan State University. The two-year audiovisual materials development project was funded by NIMH for training in suicide prevention. Has lectured and conducted workshops extensively on suicide in the U.S. Joined Howard University in 1973 as Director and Instructional Systems Developer, Division of Learning Resources, the College of Dentistry. Came to the East-West Center in 1977 to plan, design and coordinate the Media Production Service, nee, Learning Resources Complex. Expertise include "visualizing concepts," instructional development, uses of technology and media for instruction, learning and dissemination. Assigned to CLI as Educational Technologist in 1980 to work with "Managing International Cooperative Research and Development" project.

Adjunct Research Associate

Arnold Lieberman (Adjunct Research Associate), PhD Business Administration, Stanford University, 1972 and Assistant to the Director, International Institute for Applied Systems Analysis, Laxenburg, Austria. Joined the Institute in August 1980. Served as deputy to the Vice-President for Academic Affairs at the East-West Center and participated in RAND Corporation projects.

Anthony J. Marsella (Adjunct Research Associate), PhD Psychology, The Pennsylvania State University, 1968 and Associate Professor and Director, WHO Schizophrenia Research Center, Department of Psychology, University of Hawaii. Also, Director, Mental Health Training Program, University of Hawaii and Institute of Behavioral Sciences, Honolulu, Hawaii.

PROJECT PARTICIPANTS

CONTACT LITERATURE IN CROSS-NATIONAL PERSPECTIVE PROJECT

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Shwu-chun Huang, Taiwan, MA, American Studies

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Conference on The Global Estate: The Writer in the 20th Century

Participants

Elliot Anderson, Lecturer in English, Unspecified, Evanston, Illinois

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Jack Gelber, Professor, Brooklyn College, Brooklyn, New York

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CULTURE AND THE INTERACTIVE PROCESS PROJECT

Fellows

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Joan Gutfield Miller, Illinois, Human Development

Jonathan Okamura, United States, Anthropology

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Joyce Deborah Kahane, Hawaii, PhD, Anthropology

Kathleen Fisher Pampiks, Hawaii, MA, Psychology

Chavivun Prachuabmohn, Thailand, PhD, Anthropology

Yuk Yu Shek, Hong Kong, MSW, Social Work

In Soo Son, Japan, MA, Anthropology

Laura Marie Souder-Jaffery, Guam, PhD, American Studies

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Cultural Conceptions of Mental Health and Therapy Conference

Participants

Fanny Mui-Ching Cheung, University Lecturer, Psychology Section, Chinese University of Hong Kong, Shatin, N.T., Hong Kong

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Jing-jyi Wu, Executive Director, Foundation for Scholarly Exchange, Taipei, Taiwan

Zhen-Yi Xia, Psychiatrist-in-Chief, Shanghai Psychiatric Hospital, Shanghai, China

Planning Conference: Interpersonal Interactions in Pluralistic Societies

Participants

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Howard Nichlos Higginbotham, Director, Community Psychology Studies, University of Waikato, Hamilton, New Zealand

Jing-jyi Wu, Executive Director, Foundation for Scholarly Exchange, Taipei, Taiwan

Culture and the Interactive Process Activities

Professional Associates

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Tak-sing Cheung, Lecturer in Sociology, Chung Chi College, Hong Kong

Sung Nam Cho, Researcher, Korea Institute of Science and Technology, Korea

Emily De Leeuw, Resident Language Tutor, University of California, Berkeley, California

Sing-Pong Fung, Programmer, Hong Kong Television Broadcasting Co., Hong Kong

Lleander Choo Jung, Lecturer, Social Work, University of Singapore, Singapore

Violet Shun-Shun Ng, Student, Social Work, University of Hawaii, Honolulu, Hawaii

CULTURAL PROBLEMS IN TREATY NEGOTIATION PROJECT

Fellows

P.J. Philip, Research Fellow, East-West Center, Honolulu, Hawaii

Purificacion V. Quisumbing, Professional Lecturer, College of Law, University of the Philippines, Philippines

Students

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Michael Alan Launius, Hawaii, PhD, Political Science

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Workshop-Seminar on Problems and Progress in ASEAN as a Regional Association

Participants

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Perfecto V. Fernandez, Professor, College of Law, University of the Philippines, Quezon City, Philippines

Gerrit W. Gong, Rhodes Scholar, Wadham College, Oxford, United Kingdom

Eric Lacanlale, Deputy Director-General, Foreign Service Institute, Manila, Philippines

Frances Lai, Lecturer, Political Science, University of Singapore, Singapore

Yoshihiko Miwa, Staff Reporter, Economic Department, Japan Industrial Journal, Tokyo, Japan

Charles Morrison, Legislative Assistant to Senator, W.V. Roth, U.S. Senate, Washington, D.C.

Patya Saihoo, Professor, Department of Sociology and Anthropology, Chulalongkorn University, Bangkok, Thailand

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Professional Associates in Cultural Problems in Treaty Negotiation Activities

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Thomas Edward Jackson, Graduate Teaching Assistant, Department of Philosophy, University of Hawaii, Honolulu, Hawaii

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IMPACT OF TRANSNATIONAL INTERACTIONS PROJECT

Fellows

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Joint Doctoral Research Intern

Sumantoro, Indonesia, Law

Students

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The Impact of Transnational Interactions Activities

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Mark Orlando, Research Assistant, Political Science, University of Hawaii, Honolulu, Hawaii

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LANGUAGE FOR INTERNATIONAL COMMUNICATION PROJECT

Fellow

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Peansiri Ekniyom, Thailand, PhD, Linguistics

Sagar Mal Gupta, India, PhD, Linguistics

Anjum Riyazul Haque, Pakistan, MA, English as a Second Language

Siok Hua Lee, Malaysia, MA, English as a Second Language

Nittaya Saowrumnee, New Zealand, MA, Linguistics

Suparmin, Indonesia, MA, English as a Second Language

Language for International Communication Activities

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PROBLEMS IN INTERNATIONAL COOPERATION PROJECT

Fellows

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Michael Hamnett, Fellow, Culture Learning Institute, East-West Center, Honolulu, Hawaii

Paul B. Pedersen, Professor, International Student Advisor's Office, University of Minnesota, Minneapolis, Minnesota

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Matori Yamamoto, Japan, Anthropology

Students

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Jean S. Eng, United States, MA, Political Science

Josede Figuliyong, Yap, Trust Territory, PhD, Anthropology

Lillian Sue Lew, Hawaii, MEd, Educational Foundations

Soledad Sombillo Mina, Philippines, EdD, Educational Psychology

Babu Sirjan Prasad, Fiji, EdD, Curriculum and Instruction

Navin Kumar Rai, Nepal, PhD, Anthropology

Seok Hoon Seng, Singapore, EdD, Educational Psychology

Fa'auma Seui, American Samoa, EDd, Curriculum and Instruction

Daniel Ikeson Suda, Truk, Trust Territory, MEd, Secondary Education

Education for Cross-Cultural Perspective Workshop

Participants

Bret Anderson, Principal, Surabaya International School, Surabaya, Indonesia

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Barbara Backus, Home Economics-Systemwide Chairperson, Berkshire Jr. High,
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Cynthia M. Ballard, Second Grade Teacher, Kalayaan School, Subic Naval Station,
Subic Bay, Philippines

Sandra A. Bell, Teacher Substitute, Chandler Unified School District, Chandler,
Arizona

Mary E. Below, Elementary School Teacher, Naha, Okinawa, Japan

Jane C. Brofee, Teacher, Tokyo, Japan

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Michigan

Sharilee Claycomb, Principal, Red Ceder Elementary School, East Lansing, Michigan

Joan C. Cleland, Teacher, First Grade, Deckerville, Michigan

Joan J. Dieckhoff, Part-time Tutor, Repulse Bay, Hong Kong

Arthur F. Dunn, Teacher, Jakarta International School, Jakarta, Selatan, Indonesia

Joan M. Dunn, Staff, Jakarta International School, Jakarta, Selatan, Indonesia

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Tobey M. Ishii-Anderson, Teacher, 6th Grade, Surabaya International School,
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Linda Stevens, Teacher, Third Grade, Palm Springs, California

Linda Thompson, Teacher, Okinawa, Japan.

Charles A. Tryon, Activities Director, Naha, Okinawa, Japan

Lottie J. Tryon, Education Specialist, DOD Dependents Schools-Pacific Region, Zukeran, Okinawa, Japan

Robert L. Voruz, Teacher, Saudi Arabia, Jeddah, Saudi Arabia

Lynda Warren, Sewing Teacher, Adult Education, West Bloomfield, Michigan

Gene Wasosky, United States

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Christina K.F. Wong-Russell, Instructor, Chinese Culture, Hong Kong International School, Repulse Bay, Hong Kong

Problems in International Cooperation Activities

Professional Associates

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Norman Geschwind, Research Intern, East-West Center, Honolulu, Hawaii

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Soledad Sombillo Mina, Staff, Central Luzon State University, Nueva Ecija, Philippines

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RESOURCE MATERIALS COLLECTION

Professional Associates

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Jin Hi Lee, Librarian, Korea Institute of Science and Technology, Seoul, Korea

Mumtaz Ibrahim Munshey, Assistant Librarian, Pakistan Studies Center, University of Sind, Jamshoro, Pakistan

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Monograph. Wilson, Kathleen (ed. and contributor). Culture and Social Change: Approaches to Culture-based Social Work Education and Practice. United Nations, Bangkok, 1980, 175 pages.

Technical Paper. Wilson, Kathleen. Factors Influencing the Management of Effective International Cooperative Research and Development Projects. Technical paper prepared for The Australian Commonwealth's Scientific and Industrial Research Organization's Centre for International Research Cooperation, Canberra, Australia, June 1980.

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Student Affairs and Open Grants

Sumi Makey, Dean of Student Affairs and Open Grants

The reorganization in April 1979 which brought together Centerwide support services (Participant Resources and Health, Award Services and Visas) and the programmatic units of Open Grants and Special Projects under the Dean of Student Affairs and Open Grants began to bear fruit during Fiscal Year 1980. As expected, it was a difficult year of transition and team-building but an exciting and rewarding one as well with new and creative initiatives taken in a variety of areas to fulfill the new office's mandate to improve the quality of both work and life at the Center and to meet the human needs of participants.

Consistent and equitable implementation of Centerwide participant policies and procedures across the Institutes and Open Grants has been a concern to many staff and participants for a number of years. Thus, soon after the reorganization an ad hoc Participant Services Committee was established, with representatives from Institutes/Open Grants, support offices, and the EWC Participants Association. The committee is chaired by the Dean and meets regularly to discuss a wide variety of issues related to participant policies and to share experiences and information. Additionally, a Special Review Committee was established in September 1979 to provide Centerwide review and decisions on nonacademic participant requests, including requests for special and off-campus housing and payments for excluded health expenses. Both committees have been very effective in promoting consistency and equitable treatment of participants.

Participant Makana Awards (paralleling the Staff Makana Awards) were instituted for the first time, honoring participants who had made outstanding contributions during the year. A subcommittee of the Participant Services Committee, appointed by the Dean, developed guidelines for the types of awards, eligibility requirements, and procedures for nomination and selection. The following awards were made at the annual convocation in September 1980:

- Overall award for outstanding contributions to the Center and its mission: Howard Goldman, degree participant, Open Grants
- For distinguished contribution to an Institute project or activity: Annabelle Lee, degree participant, Resource Systems Institute; Thomas Jackson, research intern, Culture Learning Institute
- For outstanding contribution to a recognized participant organization: Regina Santerre, degree participant, Resource Systems Institute; Larry Meacham, degree participant, Communication Institute
- For distinguished contribution to the community at large through voluntary service or program activity: Jeffrey Melrose, degree participant, Open Grants

A Team Makana Award was presented for the first time to recognize distinguished team effort in accomplishing the objectives of an institute project or activity. The recipient of this award was the INPUTS Team which was headed by Saleem Ahmed, research associate in the Resource Systems Institute.

A major objective of the Center's Five-Year Plan submitted to the Board of Governors in January 1980 was the improvement of student involvement in Center programs.

Toward this end, an ad hoc Committee on Participant Involvement was established and coordinated by the Dean's Office, and a major study was conducted on the nature and

goals of the student programs in the Institutes and Open Grants. The committee was chaired by a research associate in the Culture Learning Institute, the Assistant to the Dean, and the President of EWCPA. Most importantly, the study involved substantial input from research associates and participants in the Institutes and Open Grants. Some of the committee's recommendations were implemented during the year, while others are being discussed further prior to implementation.

A further mandate given to the Dean's Office related to the development of enrichment opportunities for students such as, for example, special seminars of Centerwide interest. In the spring of 1980, a Pacific Islands Seminar focusing on Development Alternatives in the Pacific was offered by the Assistant to the Dean and Research Intern Katherine Nakata, in collaboration with the Director of the Pacific Islands Studies Program, University of Hawaii. In the fall of 1980, a seminar entitled Culture and Communication was initiated in order to expose staff and participants to a range of issues relevant to research topics in the institutes. Drawing upon staff and participants as speakers, largely from Open Grants and the Culture Learning and Communication Institutes, the seminar examined both Eastern and Western concepts of culture and communication. Participants in both seminars have included Center staff and participants as well as members of the University of Hawaii and Honolulu communities.

The initiative to bring the first degree students from the People's Republic of China was taken in July 1980 when a delegation from the Ministry of Agriculture led by Minister Huo Shilian visited the Center and expressed great interest in sending Chinese students to the Center. The Center agreed to cooperate with the Ministry of Agriculture, and the Dean was invited to Beijing to interview candidates nominated by the Ministry and to assist them with the application process. If the applicants are successful in meeting University of Hawaii and East-West Center requirements, they can be expected at the Center in the summer or fall of 1981.

OPEN GRANTS

The Open Grants program was established in 1970 in response to the perceived need for programmatic flexibility at the Center. It helps to maintain flexibility by allowing the Center to invite outstanding scholars, authorities, and graduate students whose specialties lie outside the scope of the five problem-oriented institutes. It also permits the Center to invite graduate degree students from geographical areas and in disciplines not otherwise adequately represented at the Center.

During FY 1980, 131 participants studied and carried out research under "open" grants. Six of these participants were fellows, one was a research intern, and 124 were candidates for advanced degrees.

Research Themes

FY 1980 saw work continuing in three major research areas as extensions or outgrowths of earlier research projects, and one project was undertaken in an entirely new area. In addition, a half-time fellowship was awarded to Norman Dinges, a clinical psychologist. Dinges worked closely with the staff of Student Affairs and Open Grants, particularly the Participant Resources and Health Officers, in developing health and wellness programs for Center participants and in exploring ways in which the total East-West Center experience might be enhanced for each participant.

Graphic Languages for Policy Models

This project, jointly funded by the East-West Center and the National Endowment for the Arts, was an outgrowth of the 1978 Open Grants project, Development Alternatives

for the Pacific Region to the Year 2000. In the 1978 study, computer-assisted global models were used as an aid to thinking about the future as existing policy alternatives for the region were analyzed and the possible consequences of those and other policies were assessed. The great need for better communication between global modellers and the policy makers who use their models soon became apparent. The 1980 project therefore aimed at making the complex structures of selected global models more easily understandable to lay users through the use of graphics. The project brought back to the Center three Fellows who took part in the earlier project--the coordinator, Berrien Moore, and Hisashi Ishitani and G.A. Vignaux, computer specialists--and a graphic designer, Susan Marcus, whose specialty is the graphic communication of scientific and technical information. Two weeks of intensive collaborative work served as the basis for the final refinement and preparation for publication of diagrams of the conceptual structure of the major global models in use today. The diagrams will form an essential component of the book that resulted from the Pacific Region study. To be published early in 1981, the book evaluates these models as long-range policy planning tools.

Caring for the Health of International Students

Consistent with the mandate given the Office of Student Affairs and Open Grants to improve the quality of both work and life at the Center for all participants was the invitation extended to Donald Char, professor of public health and pediatrics and director of the Student Health Service at the University of Hawaii, to undertake a study of the health care needs of international students, based upon data collected during his many years of experience in working with foreign-born university students in Hawaii. Char began this six-month project on September 1.

Visualizing Global Interdependencies

In FY 1979 an international team of graphic designers and visual communicators was charged by Open Grants with exploring visual means of communicating the complex facts of global interdependency as it exists today. In their attempt to make multiple interrelationships understandable to a multicultural, multilingual audience, the team members created a pancultural set of pictograms which they combined to make a single-screen, synchronized-dissolve slide show with a sound track consisting of simple narration against a musical background. The latter was created by Rene Lysloff, an Open Grants degree student, and James Giles. Both are ethnomusicology students at the University of Hawaii.

During this fiscal year, Aaron Marcus, coordinator of the project, returned to the Center briefly to work with staff of the Center's Media Production Service in making needed adjustments and improvements in the slide show. Also, a decision was reached to convert the slide show, which called for fairly sophisticated viewing equipment, to a filmstrip program, since this would make it available to a much wider audience. At the same time, it was decided to revise the narrative to make it more suitable for high school audiences. This last task was carried out with the assistance of three experienced educators and EWC alumnae, Betty Bullard, Joan Natalie and Charlotte Cascio. To accompany the filmstrip and audiocassette, a brochure explaining the pictograms and giving suggestions for classroom activity was produced. With the assistance of the staff of the Media Production Service, the filmstrip package was completed and is now available for purchase.

Multinational Resolution of Environmental Problems

Because of favorable reviews and continuing interest in the subject matter of the 123-page monograph Oil Pollution from Tankers in the Straits of Malacca: A Policy and Legal Analysis (product of an Open Grants project in FY 1977), the decision was made to revise and update this report to reflect recent developments, particularly

in the United Nations Law of the Sea deliberations. This task was accomplished by Choon-Ho Park, research associate of the Culture Learning Institute, with the assistance of Research Intern Morio Okatsu, a law student at Keio University, over a three-month period. The manuscript has been submitted to a publisher.

Degree Students

During FY 1980, 53 candidates for doctoral degrees and 71 candidates for master's degrees worked in 44 areas of specialization at the University of Hawaii. They came from 25 countries. These students were or are involved in a variety of Center projects and programs. In addition, a number of students presented papers at professional conferences and meetings here in Hawaii and on the U.S. mainland, having secured their travel funds from external sources. In nearly every case, these papers have been or are to be published in professional journals.

Student Activities

Open Grants students are required to participate each year, in alternate semesters, in an Open Grants seminar or institute project and a community service project. They spend about five hours a week in these activities, which are designed to complement their academic programs or enhance their professional and personal development.

Community service activities can be as varied as the interests of the participants. This year, for example, an architecture student worked with the Hawaii Housing authority; a candidate for a degree in social work taught a consumer education class for senior citizens; another social worker coordinated and assessed the volunteer program for women inmates at the Maluhia Women's Residence, a correctional facility of the State of Hawaii; a law student gained experience in the Public Defender's Office; a doctoral student in drama and theatre compiled a directory of ethnic performing arts in Hawaii; and a doctoral candidate in anthropology spent five hours a week at the Bishop Museum where she helped with the cataloguing of acquisitions, assisted in setting up and dismantling exhibits, and learned techniques for restoring 18th century artifacts. On the whole, the students' evaluations of the community service experiences have been very favorable. Most have found the practical experience of value to them professionally; at the same time they have enjoyed and benefited from their contacts in the Honolulu community.

In addition to the volunteer services that were performed on an individual basis, a group of about 20 students took part in a continuing team endeavor, the Manoa Stream Project, which began in the fall of 1978 as part of a long-range State plan for a recreational park bordering the Manoa Stream. The students, representing many countries and a wide variety of disciplines, were joined by a number of interested individuals from the Center Institutes, the University of Hawaii, and the wider Honolulu community. In previous years background surveys were completed, detailed designs were developed for the section of the proposed park adjacent to the East-West Center buildings, and an environmental assessment was made and accepted. This year hundreds of Hawaiian and indigenous plants were planted in designated plots (kuleanas); most of these were donated by Lyon Arboretum and were obtained through the efforts of Beatrice Krauss, a research affiliate of the arboretum. Maintaining these plants has required the expenditure of much time and energy by the project members and other volunteers. In addition, project participants have been involved in student-led seminars on Hawaiian ethnobotany, history, and land use and have visited various gardens specializing in growing Hawaiian and indigenous plants. The Manoa Stream Project is an excellent example of the multidisciplinary approach to problem-solving. It has provided a focal point for cultural and intellectual interaction, and has made possible the involvement of the Honolulu community in an EWC participant-oriented undertaking.

The seminar program in Open Grants reflects the diversity of interests represented among the students. In the ongoing International Songbook seminar, students continued their work of compiling, organizing, translating, and annotating a collection of songs from countries within the Center's geographical purview. This year saw their efforts culminate in the publication of the International Songbook as a feature of the Center's 20th Anniversary celebration. Another seminar, carried out in cooperation with the Pacific Islands Studies Program of the University of Hawaii, focused on Alternative Strategies for Pacific Development. In other seminars students explored certain aspects of International Business, examined the Aspirations of Women in Diverse Societies, and investigated a number of topics related to Language and Linguistics. In addition, language workshops were set up on request, for persons wishing to acquire facility in Farsi, Urdu, and Japanese; these workshops were led by native speakers among the Open Grants students.

A continuing Informal Study Group gave participating students a forum for discussion of their research. Each made a presentation in which the goal was to explain the subject material (often quite technical and specialized) in terms that could be easily understood by lay persons. During the second semester, one of the Open Grants seminars, which focused on Religion and Politics, merged with the Informal Study Group, resulting in a stimulating series of discussions dealing with the very timely topic of Islamic influence on contemporary events. Presentations in this series dealt with militant Islam, the status of women in Islamic countries, aspects of economics in Islam, government and religion in Malaysia, Islam and politics in Indonesia and Malaya, and the impact of Islam on the performing arts of Malaysia.

A third option available to students in meeting their commitment to Open Grants is involvement with institute projects where appropriate and with concurrence of the project staff. As a rule five or six students choose this option each semester; this year they took part in projects in the Communication, Culture Learning, Environment and Policy, and Resource Systems Institutes.

Open Grants students fully supported the Centerwide study carried out by the ad hoc Committee on Participant Involvement. A subcommittee was formed, composed of staff and students, to identify the goals of student involvement, survey the degree of student satisfaction at present, identify examples of successful and unsuccessful forms of involvement, and recommend alternatives to existing forms. Approximately 85 percent of the OG participants responded to an anonymous questionnaire, and three follow-up feedback discussion sessions were held. The survey showed that the participant involvement opportunities provided by Open Grants are satisfying experiences for the great majority of the participants.

COUNTRY PROGRAM REPRESENTATION

Responsibilities connected with the Center's network of program representatives in the countries of Asia and the Pacific consumed a considerable amount of time in the Dean's Office throughout the fiscal year. New procedures that are in accordance with federal guidelines were implemented for payment of funds to program representatives. In addition, a system of regular financial and activities reports by the representatives was instituted, so that the Center is now systematically apprised of activities and expenditures.

The Vice President for Administration and the Dean visited most of the countries in East, Southeast, and South Asia during the year, to review the operations of the program representatives, to determine if services to the Center could be provided on a fee basis based on contracts, and to explore other areas in which the program representatives might assist the Center, such as fund-raising, alumni relations, public information, and programmatic assistance for in-country activities for staff

and participants. Although the review of program representation will continue, certain preliminary conclusions can be drawn at this time: 1) There is a need to look at the organization in each country and structure our operations accordingly. There is no single model that fits all of the countries; rather, each country has unique problems and constraints which must be taken into consideration. 2) The program representation unit should be upgraded in our organizational structure. It would be desirable to develop a newsletter to keep our representatives better informed about developments at the Center which affect their operations. 3) The program representatives are receptive to additional functions such as alumni support service, assistance with fund-raising, and dissemination of information and publications. 4) Program representatives should be viewed as performing an important function and should be invited to the Center periodically to meet with directors and staff.

The program representatives play a significant role in the Center's relations with countries in Asia and the Pacific and in the recruitment of students and other participants, and further efforts will be made to strengthen our relations with them in their role as Center representatives.

SPECIAL PROJECTS

Pacific Community Lecture Series

"Prospects for a Pacific Community" was the general theme for a series of lectures that was planned as a part of the East-West Center's Twentieth Anniversary celebration. The series was administered by Paul Hooper, assistant professor of American Studies at the University of Hawaii and a former East-West Center grantee (History, 1964-66). Four lectures, listed below, took place during the period covered by this report, and the series continued into the first months of Fiscal Year 1981. It is anticipated that the lectures will be published in book form, with Hooper as editor.

The first lecture was timed to coincide with the opening of the "Pacific Islands Conference: Development the Pacific Way" and became the keynote address for the conference. Likewise, the third lecture in the series, where the speaker was himself a Center alumnus (1969), formed an integral part of the alumni convention that took place in July.

March 26, 1980	Ratu Sir Kamisese K. T. Mara, Prime Minister of Fiji, "Pacific Islands' Development."
May 22, 1980	Dr. Kiyoshi Kojima, Professor of International Economics, "Economic Cooperation in a Pacific Community."
July 30, 1980	The Honorable Gerardo P. Sicat, Minister of Economic Planning, National Economic Development Authority, Manila, Philippines, "ASEAN And the Pacific Region."
September 24, 1980	Sir John Crawford, Chancellor, Australian National University, "Pacific Community: Dream or Reality?"

Pacific Islands Development Program

Overview

The East-West Center has worked with the Pacific Island peoples for nearly two decades, but as it entered its twentieth year the Center wished to increase its efforts in cooperative research on the Pacific and effective application of

practical knowledge so generated. Believing that general guidance and direction for a research and educational program focusing on development needs and problems of the Pacific Islands should be sought from Pacific Island leaders, the Center, as an initial step, sponsored a Pacific Islands Conference--Development the Pacific Way--which was held in Honolulu in March 1980.

The Conference was attended by heads of state and other prominent leaders from 20 Pacific Island countries and territories, by representatives of regional organizations and institutions and international organizations working in the region, and by representatives of seven industrialized countries with interests in the Pacific region. Thus, the Conference gave island leaders a vehicle for the exchange of ideas and experience on topics of relevance to their countries and the region as a whole. In addition, it provided a forum where island leaders could collectively inform, invite the attention of, and discuss with representatives of international organizations and more industrialized countries the special needs and problems of the region and its role in the world community.

Discussions at the Conference concentrated on six broad issues identified at a preconference planning meeting in which 12 representatives of island nations took part. These broad themes were: goals and development strategies for the Pacific as a region; the Pacific Islands in the world community; regional cooperation; government and administrative systems appropriate to the Pacific Islands, cultural development and conservation; and energy. In their discussions, Pacific Island leaders identified specific problem areas for research and further attention.

Pacific Island leaders who participated in the Conference agreed that they should meet again to discuss development issues and to evaluate progress on problems identified at the Conference. For this purpose they established a Standing Committee of Leaders. Members of the Standing Committee are:

Chairman: Ratu Sir Kamisese K. T. Mara, Prime Minister of Fiji

Members: President of Kiribati; A Governor representing the Pacific Basin Development Council (U.S. Flag Territories); Prime Minister of Papua New Guinea; Vice President, Conseil de Gouvernement from French Territories; Premier of the Cook Islands

General Secretary: S. Langi Kavaliku, Minister of Education, Civil Aviation & Works, Kingdom of Tonga

The Standing Committee was made responsible for the review, guidance, and support of the follow-up programs. This Committee will review progress on a six month basis.

The leaders also established a Program Planning Committee. The Committee consists of seven government officials from the following Pacific Islands:

Chairman: S. Langi Kavaliku, Tonga

Members: Fiji, Cook Islands, State of Hawaii, Trust Territory of the Pacific Islands, American Samoa, Solomon Islands, Western Samoa

The Program Planning Committee is responsible for identifying priority research needs and implementing specific research projects that are approved by the Standing Committee.

The Program Planning Committee held its first meeting in Suva, Fiji on July 2-5, 1980. The Committee identified as priority research needs a study of the

feasibility of establishing a Regional Development Fund, and research in the areas of energy, ocean resources, communications, agriculture, trade, and transport.

The leaders also asked the East-West Center's Pacific Islands Development Program to provide an interim secretariat for the Conference and the Standing and Planning Committees. The secretariat function would:

1. Provide resource materials collection and data base, on a very limited basis.
2. Provide support services for meetings and identification of resource personnel, on a limited basis.
3. Maintain contact and dialogue with governments, organizations, and institutions on Pacific Island issues and programs.

Research Component

The research component of the Pacific Islands Development Program will be based primarily on the issues raised at the March Conference and the recommendations of the Standing Committee, and in part on the interests and capabilities of the Center's staff and participants. Research will be carried out in coordination with the Center's five Institutes, and will comprise projects focusing on priority development problems of the region. The program will be conducted in cooperation with institutions and agencies working in the region, and funding will be obtained from external sources.

The first research project in the Pacific Islands Development Program focuses on regional cooperation in the Pacific. E. Macu Salato, former Secretary-General of the South Pacific Commission, joined the Program as a research fellow on September 1, 1980, to begin a history of regional cooperation as the first phase of the project. Salato, who also holds an appointment as a Senior Scholar in Residence at the University of Hawaii, will continue on this project through May 1981. It is anticipated that he will be joined in January 1981 by other research fellows, to complete this phase.

PARTICIPANT RESOURCES

Despite operational adjustments and some budgetary restraints, the first full year for Participant Resources under the Dean's Office was a productive and busy one. Overall, the reorganization resulted in more creativity and the addition of several new functions that fit appropriately in this section, which has as its goal the enhancement of a comprehensive participant life program and the development of an interpersonal environment that supports both the educational and personal growth of Center participants.

New Programs

The Participant Resources unit found itself involved for the first time in a number of new programs or events which were initiated both by participants and by the Resources staff. The following paragraphs describe some of the more significant additions to the responsibilities of Participant Resources.

In the health area:

In mid-year, the health staff assumed responsibility for occupational safety and health at the worksite (OSHA). This involved periodic inspections of both work areas and participant living areas and follow-up on necessary improvements.

Also, the health staff, in consultation with an advisory committee, has begun to examine the concept of "wellness" for both participants and staff. A Centerwide survey yielded significant results and produced a lengthy "wish list" of areas to be pursued; these included improved nutrition, especially through the food service, establishment of work area smoking guidelines, and recreational programs on a group basis.

A Special Review Committee, chaired by the Participant Health Officer, was established one year ago and met throughout the year to hear 28 cases for special consideration on a variety of health-and housing-related requests from participants. Overall, the Committee has worked well and seems to offer an appropriate way to achieve consistency in reaching decisions in sensitive areas.

Working with Open Grants Fellow Norman Dinges, a psychologist, the health staff set up an experimental workshop on stress for participants and staff.

In the resources area:

Resources staff became involved this year with the production of the annual Participant Staff Directory and were responsible for compiling the data on all participants to be included in the Directory. Also, they cooperated with the Dean's Office in setting up a Grants Workshop designed to familiarize interested participants and staff with opportunities and procedures for obtaining external funding for research. Thirty participants attended the three-way meeting.

A group of participants, working in cooperation with the EWC Participants Association, put together the first East-West Studies Symposium, held on August 28-29, where over 25 research papers were presented by participants. Resources staff supported the symposium by reproducing and distributing Symposium materials and by providing logistical support. They remain involved in the proposal to produce an abstracts publication. There is a current move among participants to make the East-West Studies Symposium an annual event.

Resources staff were involved in two new committees this year; the Dean's Participant Services Committee and the Participant Makana Committee.

Resources staff also contributed to the Pacific Islands Conference held at the Center in the spring, while the Participant Resources Officer was involved in the planning, coordinating, and implementation of the Asia/Pacific Islands American Women's Conference hosted by the East-West Center. The Participant Health Officer contributed to the program of the Alumni Conference, and the Participant Resources Officer completed a special equal employment opportunity assignment for the Vice President for Administration.

Summary of Activities

In the health area:

Approximately 1,000 EWC health clearance forms were evaluated; 180 participants were transported to Lanakila Health Center for tuberculosis clearances; 11 first aid kits were maintained and stocked on a weekly basis; 40 requests for EWC payment of medical expenses exceeding \$50 were handled; approximately 15 safety hazards per month were identified and follow-up measures taken; 2 first aid/CPR courses were taught, and 6 health education programs were planned and carried out for participants and staff. Ongoing activities include monthly articles for Small Talk, staff orientation to health procedures, establishment of a health procedures manual, a computer study of participant health-use patterns, and crisis intervention.

In the activities area:

Film Series

68 films from 14 countries were shown in 129 screenings (average attendance 70)

Cultural Groups

19 registered groups sponsored 23 flag raisings from 13 countries and more than 25 other cultural celebrations

Tuesday Night at 7

46 programs featured topics as diverse as the American presidency, Taoist rites, refugees in Thailand, the South Pacific Festival of Arts, and rape prevention (average attendance 65)

Preview of the Week

43 programs, most of them films, were held on a variety of topics that included elections in Papua New Guinea, Korean performing arts, Molokai youth projects, and Mao Tse Tung (average attendance 20)

Wala'aus (special interest groups)

18 registered groups sponsored activities in areas of their special interest; these groups included the Auto Club, Bicycle Club, Catholic Participants, Chess Club, Food for Thought, Garden Club, Hiking Club, Hui O Wahine, Indo-Pakistan Qawali Groups, International Choir, Manoa Stream Project, Married Participants, Muslim Participants, Pan Pacific Club, Photo Club, Professional Associates Club, Radio Club, and Theatre Group.

Outings

On 9 occasions, participants attended community events that included a football game, jazz performance, drama, Bishop museum exhibition, and swap meet

Special Programs

9 special programs were planned, including a concert, a program on traditional medicine, and 3 special showings of Australian films

Interisland Program

70 participants and spouses, travelling in 9 small groups based on educational interests, spent five days on the Big Island

Publications

20 issues of Small Talk (average distribution 750) were put out, 12 issues of the monthly calendar were distributed (700 per issue), and assistance was given to the Impulse staff in preparing 2 issues of that magazine for publication

Orientations

4 orientations were conducted for a total of 95 degree students, and 6 other orientations were held, reaching approximately 200 other participants and alumni

Completion Ceremonies

2 ceremonies were planned and coordinated for a total of 148 completing participants

East-West Center Participants Association

Logistical and other assistance was provided to the EWCPA in connection with a wide variety of activities: the election and installation of the 1979-80 board, orientation camp for 75 participants, 4 social events, a Sunset Cruise for 200 participants and staff, 11 evening programs of cultural and nonformal education, the East-West Studies Symposium, the International Fair (a full day of intercultural activities for the community, featuring food booths, cultural performances, exhibits, and an international fashion show), a series of films and slides from 14 countries shown on 5 nights preceding the International Fair, and the Mini-Olympics (a month-long athletic event and sporting competition with 8 Center units competing in team and individual sports and games, involving over 500 participants and staff).

AWARD SERVICES

The Award Services unit continues to be responsible for the annual competition for degree student awards, visa services for staff and participants, and dissemination of information on award opportunities in all six award categories. In addition the Award Services Officer provides the Dean with staff support for Program Representation.

For the 1980 degree student competition, Award Services received 266 applications from 26 Pacific and Asian countries in addition to 215 applications from U.S. citizens and permanent residents, the latter figure representing an increase over the previous year's 177 U.S. applications. The 215 American applicants represented 36 states and the District of Columbia, with the highest numbers coming from California, Colorado, Hawaii, Massachusetts, and New York.

Of the 481 applications received, 331 were judged by the Institutes and Open Grants to be generally relevant to our programs and were forwarded to the University of Hawaii for their consideration. Thirty-four did not meet the University of Hawaii Graduate Division minimum admission requirements. The remaining 297 applications were reviewed for 60 University of Hawaii graduate fields of study, with Anthropology, Asian Studies, Business Administration, Communication, Economics, English as a Second Language, Political Science, and Sociology receiving the largest numbers of applications. Fifty-four of these applications were not recommended for admission. Thus, in the final competition, 243 applications were reviewed by the Institutes and Open Grants, and 99 were selected for 1980 graduate degree study awards. For the first time, the American finalists were interviewed by a team of EWC staff members, on the U.S. mainland as well as in Hawaii.

The following list shows by country the number of new degree awards as well as the number of carry-over awards from previous years.

Afghanistan: no new awards, 2 carry-overs; American Samoa: no new awards, 1 carry-over; Australia: 6 new awards, 3 carry-overs; Bangladesh: no new awards, 1 carry-over; Burma: no new awards, no carry-overs; Fiji: 2 new awards, 1 carry-over; Guam: 1 new award, 1 carry-over; Hong Kong: 2 new awards, 5 carry-overs; India: 4 new awards, 8 carry-overs; Indonesia: 3 new awards, 2 carry-overs; Iran: no new awards, 2 carry-overs; Japan: 6 new awards, 7 carry-overs; Korea: 6 new awards, 11 carry-overs; Malaysia: 5 new awards, 5 carry-overs; Nepal: no new awards, 5 carry-overs; New Zealand: 3 new awards, 6 carry-overs;

Pakistan: 5 new awards, 8 carry-overs; Papua New Guinea: 1 new award; 3 carry-overs; Philippines: 6 new awards, 8 carry-overs; Singapore: 3 new awards, 3 carry-overs; Sri Lanka: 2 new awards, 4 carry-overs; Taiwan: 4 new awards, 7 carry-overs; Thailand: 4 new awards, 16 carry-overs; Tonga: no new awards, no carry-overs; Trust Territory: 1 new award, 2 carry-overs; Western Samoa: no new awards, 1 carry-over; United States: 35 new awards, 63 carry-overs.

In preparing for the 1981 degree student competition, the objective was to increase and improve the information available to applicants about the program within the Institutes and Open Grants, the type of involvement which can be expected, policies and procedures governing the application for and receiving of a degree student award, and University of Hawaii academic programs. To this end, the instruction sheet was expanded to booklet format to accommodate information on policies and procedures governing eligibility requirements and application procedures, detailed information on award terms, and a complete list of East-West Center program representatives. In addition each application packet contained a set of program descriptions for each Institute and Open Grants, supplementing the program catalog. Fourteen hundred of these application packets were sent out in response to written requests from U.S. citizens and permanent residents; 1,500 were distributed in Asia and the Pacific through the East-West Center program representatives.

In an effort to supplement the information in the University of Hawaii catalogs, brochures from 47 different departments were sent to each program representative to be maintained in the office files. This was an interim measure since copies are not available in sufficient number for widespread distribution to applicants. We will continue to work with the University of Hawaii Graduate Division in this area.

Besides being responsible for the degree student competition, Award Services is the East-West Center office primarily responsible for disseminating information on all six award categories. Approximately 3,700 written inquiries were received, as well as numerous referrals from the Institutes, Open Grants and other Center offices, from University of Hawaii offices and departments, and from visitors to the East-West Center, all attesting to the high degree of interest in the Center and its programs.

Visa services cover three areas: responsibility for the Exchange Visitor Program (J-1 visa) for international participants, assistance with U.S. visas for international staff, and providing information on research clearance and visa requirements for field education in other countries.

Responsibility for the Exchange Visitor Program includes monitoring current participant status for the International Communication Agency providing counselling, and processing documents; these are primarily ongoing operations requiring sensitive handling, application of federal law, and continual liaison with federal agencies and with the Center's program units. During the past year 1,070 exchange visitor eligibility documents were issued for new and extending participants and dependents. Immigration counselling was provided as follows: briefing for new long-term participants - 63 cases; family visa and work permission - 191 cases; post-grant visa sponsorship including practical training and transfers - 186 cases; miscellaneous advising and assistance - 385 cases; country clearance through program representatives - 57 cases. Areas requiring special attention included the arrival of exchange visitors from China, which has required close liaison with the Department of State to facilitate and ensure visa issuance abroad; extensive consultation with federal and outside agencies on assistance for exchange visitors from Afghanistan and Iran; and the rise in the number of applications for waivers of the exchange visitor home country residence requirement. Procedures for handling waiver applications were re-examined and streamlined.

Staff visa assistance includes submitting new petitions with Immigration (4 submitted and approved) and processing extensions, visa revalidations, and re-entry permits (10 cases). New options for international staff visas are being explored.

Cataloguing of information on visas for field education in other countries has begun. There are plans to expand collection of this information during the coming year.

STUDENT AFFAIRS AND OPEN GRANTS

StaffDean

Sumi Y. Makey, MA Counseling and Guidance, Teachers College, Columbia University, 1951. Joined Center in 1964 as staff member in former Institute for Student Interchange. Named head of Open Grants in 1972 and appointed dean of the newly formed Office of Student Affairs and Open Grants in April 1979. Native of Hawaii and received Bachelor's degree in psychology from University of Hawaii. Served as counselor and teacher in public schools in Hawaii and Washington, D.C. From 1960-1964 served as Far East program specialist in the Office of Education (HEW) programming AID participants from Asia.

Assistant to the Dean

Michael P. Hammett, PhD Social Anthropology, University of Hawaii, 1977. Received Bachelor's degree in philosophy and religion from Upsala College in 1969. Has conducted field research in both Micronesia and Papua New Guinea and has published on his work in those areas. His doctorate was earned while on a degree grant from the EWC. From 1977 through 1979, was a research fellow at the Culture Learning Institute where he conducted research on the ethics and management of international social science research. Was appointed assistant to the dean in October 1979.

Research Associate

Peter N.D. Pirie, PhD Geography, Australian National Laboratory, 1963. A New Zealander. Holds joint faculty appointment at the University of Hawaii as professor of geography. Received Bachelor's and Master's degrees at University of Auckland. Joined the Population Institute in 1970; appointed assistant director for graduate study, July 1974. Worked with Pacific Islands Development Program, on loan from Population Institute, from July to December 1979 (half-time).

Professional/Administrative

Gale Awaya, BEd Education, University of Hawaii, 1974. Assistant Participant Resources Officer. Joined Center staff in 1976. Has taught at Waipahu Community School.

Miriam L. Gould, MA Teaching of French, Teachers College, Columbia University, 1941. Staff Assistant. Has been with EWC since February 1963, working first in the former Institute of Advanced Projects in a variety of offices and posts. Born in India and a resident of that country until college education.

June Y. Hirano, MA Speech Communication, University of Hawaii, 1967. Awards Officer. Joined the Center in 1970 as a staff member in Participant Activities after three years as an instructor with the Department of Speech-Communication at the University of Hawaii. Since 1973 has been associated with Award Services and in April 1979 was appointed head of the office.

Frances S. Kitibanlubhorn, BA Anthropology, University of Hawaii, 1969. Visa Officer. East-West Center Open Grants degree participant 1970-1972 pursuing Master's degree in anthropology. Joined Center staff as Visa Officer in 1974. Resided and worked in Thailand for five years.

Rose Nakamura, BA Recreation, University of Hawaii, 1950. Program Officer. Has been with EWC since July 1963. Pursued graduate studies at the University of Hawaii and University of Southern California. From 1951 to 1963 served as lecturer, then instructor, and finally director of student personnel at the University of Hawaii at Hilo. Also served as manager of the Hilo campus library and as teacher in physical fitness for Peace Corps groups training in Hilo.

Joanne K. Punu, MA Political Science (International Relations), University of Hawaii, 1972. Participant Resources Officer. Did undergraduate work in political science and Asian studies at George Washington University and University of Pittsburgh and has completed credits toward an MA in English as a second language. Came to the East-West Center from Peace Corps/Malaysia in 1970 and has previously held Center positions as resident assistant (1970-1972), housing officer (1972-1974), and participant activities officer (1976-1978). Spent some time teaching on Niue Island in the South Pacific.

John P. Sciacca, MA Health Care Administration, Central Michigan University, 1976; MPH Public Health Education, University of Hawaii, 1975. Health Officer. Undergraduate work in philosophy was carried out at University of Massachusetts. Spent 2 1/2 years as a Peace Corps volunteer in West Africa. Joined the Center in 1976.

Ronald G. Scronce, MEd Counselor Education, East Carolina University, 1971. Program Officer. Began working with the East-West Center in 1979. Has Bachelor's degree in business administration from Catawba College, North Carolina. Employed as a counselor, administrator, and international student affairs coordinator at East Carolina University from 1971 to 1979. Spent one year (1975) teaching English in Nagoya, Japan.

Fusae Uyemura, Secretarial Certificate from Margaret Dietz School of Business. Administrative Officer. Joined the Center in 1963 as secretary in the Institute for Student Interchange; transferred to Open Grants in 1970.

PARTICIPANTS

Fellows

Donald F.B. Char, Director, Student Health Service, University of Hawaii, Honolulu, Hawaii

Norman Dinges, Project Director/Research Scientist, Institute of Behavioral Sciences, Inc., Honolulu, Hawaii

Hisashi Ishitani, Associate Professor, Institute of Space and Aeronautical Science, University of Tokyo, Tokyo, Japan

Aaron Marcus, Staff Scientist, Lawrence Berkeley Laboratory, University of California, Berkeley, California

Susan Marcus, Graphic Designer, Meta-Graphics, Berkeley, California

Berrien Moore, III, Director, Complex Systems Research Center, University of New Hampshire, Durham, New Hampshire

George Anthony Vignaux, Professor and Head, Department of Information Science, Victoria University of Wellington, Wellington, New Zealand

Research and Professional Intern

Morio Okatsu, Master of Law Student, Keio University, Tokyo, Japan

Students

Syed Masoon Abidi, Pakistan, PhD, Political Science

Ambika Prasad Adhikari, Nepal, MArch, Architecture

Sharif Misbahuddin Ahmed, Pakistan, MS. Electrical Engineering

Francis Paul Akamine, Hawaii, JD, Law

Rana Muhammad Akhlaq, Pakistan, MS, Animal Science

Farooq Pabrazkai, Afghanistan, PhD, Linguistics

Saeed Ullah Khan Bangash, Pakistan, MS, Civil Engineering

Carl Bradley Becker, United States, PhD, Philosophy

Junko Sakaba Berberich, Hawaii, PhD, Drama and Theatre

Santosh Kumar Bhatia, India, MA, American Studies

William Cable, United States, PhD, Agronomy and Soil Science

Robert Elvin Campbell, United States, MA, Asian Languages and Literature

Kent Edward Carpenter, United States, PhD, Zoology

Sharyn Kay Cederman, New Zealand, MBA, Business Administration

Peter Hong-To Chan, Hong Kong, MSW, Social Work
 Chee Wah Cheah, Malaysia, MUP, Urban and Regional Planning
 Sang-Mok Choi, Korea, MA, Economics - transferred to PI 3/1/80
 Kwong Yong Chuang, Singapore, MBA, Business Administration
 Angela Kimi Coaldrake, Australia, MA, Asian Studies
 James Goodwin Crisafulli, California, PhD, Political Science
 Joshua Nallathamby Daniel, Sri Lanka, PhD. Agronomy
 Lili Kala Dorton, Hawaii, MA, Pacific Island Program
 Thomas Alan Drohan, Colorado, MA, Political Science
 Layla Ebrahim, Afghanistan, MA, Linguistics
 Steven Mark Egesdal, Hawaii, MA, Linguistics
 Joan Elaine Ericson, United States, MA, Asian Languages and Literature
 Howard Ira Goldman, Massachusetts, MPH, Public Health
 Subhas Chandra Grandhi, India, MS, Electrical Engineering
 Dennis Arthur Gray, Australia, PhD, Anthropology
 Moneeza Hashmi, Pakistan, MEd, Elementary Education
 Lisa Chandler Helwig, United States, MS, Agronomy and Soil Science
 Wang-Ching Ho, Taiwan, PhD, Botanical Science
 Lauren Te Aorangi Hunia, New Zealand, PhD, History
 Daniul Huq, Bangladesh, MA, Linguistics
 Muhammad Ibrahim, Pakistan, PhD, Agronomy and Soil Science
 Mariko Iwasaki, Japan, MA, Asian Languages and Literature
 Jane Elinor Jennison-Nolan, Guam, PhD, Anthropology
 Oliver K. Joseph, Ponape, Trust Territory, MEd, Educational Administration
 Syed Iqbal Kalim, Pakistan, MUP, Urban and Regional Planning
 Hira Lal Kaul, India, PhD, Ocean Engineering
 Thao Khamoui, Hawaii, PhD, Agricultural Economics
 Byung-Soo Kim, Korea, PhD, Horticulture
 Siew-Chuan Evelyn Koay, Malaysia, MS, Biochemistry
 Michael Nekin Kunjil, Papua New Guinea, MA, Political Science

Robert Bruce Larson, Iowa, PhD, Anthropology

Jeong-Sik Lee, Korea, PhD, Geography

Wai Chin Lee, Singapore, MS, Horticulture

Helen Patricia Leidemann, Guam, MA, Anthropology

Cheung Shing Leung, Hong Kong, MA, English as a Second Language

James Bryant Lewis, Tennessee, MA, History

Cheng Tuan Lim, Malaysia, MBA, Business Administration

Maw-Sheng Lin, Taiwan, PhD, Agronomy and Soil Science

Nicanor Javier Liquido, Philippines, PhD, Entomology

William David Lobban, Australia, MA, Pacific Island Program

Rene Timur Alexander Lysloff, Hawaii, MA, Ethnomusicology

Robert Pahau Mackey-Rangiuiaia, New Zealand, EdD, Educational Administration

Lynn Josephine Martin, United States, MA, Pacific Island Program

James Larimore Matson, Minnesota, MA, Sociology

Haruyoshi Matsumoto, Japan, PhD, Ocean Engineering

David Scott McCauley, Hawaii, PhD, Agricultural Economics

Sharon Lynn McCoy, United States, MA, Asian Studies

Andrew McCullough, Hawaii, PhD, American Studies

Jeffrey Madden Melrose, Hawaii, MUP, Urban and Regional Planning

Rosalia Chavez Mercado-Simmen, Philippines, PhD, Biochemistry

Marlene Ann Meyer, Kansas, MA, Ethnomusicology

Priti Kumar Mitra, Bangladesh, PhD, History

Rasim Moid, Pakistan, MArch, Architecture

Tolentino Bermudez Moya, Philippines, MS, Agricultural Engineering

Shajul Hamid Mydeen, Malaysia, MS, Agricultural Economics

Doroteo N. Nagata, Palau, Trust Territory, MEd, Educational Administration

Kazuyoshi Nakayama, Japan, PhD, Anthropology

Nancy Kathleen Nanney, Hawaii, PhD, Drama and Theatre

Arcot Desai Narasimhalu, India, PhD, Electrical Engineering

Otto Manganau Nekitel, Papua New Guinea, MA, Linguistics

Edmund Kazuso Oasa, Hawaii, PhD, Political Science

Wen Flora Pao, Taiwan, MS, Nutritional Science

Madan Pathak, Nepal, MA, Economics

Hossein Pirasteh, Iran, PhD, Economics

Anggraita Pramudita, Indonesia, PhD, Physics

Kandatege Premaratne, Sri Lanka, PhD, Physics

Pahalawattage Don Premasiri, Sri Lanka, PhD, Philosophy

Justo Songao Quitugua, Northern Marianas, MEd, Elementary Education

Haroon Ur Rashid, Bangladesh, MArch, Architecture

Khaleda Rashid, Bangladesh, MUP, Urban and Regional Planning

Richard Robert Reed, Hawaii, PhD, History

Ronald Chester Renkoski, Missouri, MA, Political Science

Aziza Reshad, Afghanistan, MSW, Social Work

Penelope Jane Ridings, New Zealand, PhD, Political Science

Sally D. Ritterbush, Washington, D.C., PhD, Political Science

Duangduarn Rungsaengchan, Thailand, MA, Linguistics

Leona Leiohu Ryder, Hawaii, MSW, Social Work

Chhany Bun Sak, Washington, MPH, Public Health

Jeanne Marie Sather, Ohio, MA, Asian Languages and Literature

Abdus Sattar, Pakistan, MLS, Library Studies - transferred to CI 1/1/80

Wit Satyarakwit, Thailand, PhD, Economics

Lertdow Sayankena, Thailand, MA, Linguistics

Frances Sue Seui, American Samoa, MEd, Counseling and Guidance

Shankar Prasad Sharma, Nepal, PhD, Economics

Vittala Kunjibettu Shettigara, India, PhD, Geology and Geophysics

Akira Shishimi, Japan, PhD, Psychology

Donald Raymond Shuster, Hawaii, EdD, Educational Foundations

Gurdyal Singh, Fiji, MEd, Educational Administration

Wing-Cheung So, Hong Kong, EdD, Educational Foundations

Hatta Bin Solhee, Malaysia, PhD, Agricultural Economics

Thirunaithanam Subrahmanyam Sridharan, India, MS, Electrical Engineering

Mohammad Reza Taher-Khorramabadi, Iran, MS, Electrical Engineering

Leng-Seow Tan, Singapore, PhD, Electrical Engineering

Ai Choo Audrey Teo, Singapore, MUP, Urban and Regional Planning

John Roland Thomas, Michigan, MS, Agricultural Economics

Gregory James Thompson, United States, MS, English as a Second Language

Kar-Ling Catherine Too, Malaysia, PhD, Biochemistry.

Savanthrapadian Valithiappen, Malaysia, MBA, Business Administration

Naraina Pandurong Sinai Varde, India, PhD, Agronomy and Soil Science

Surapone Virulrak, Thailand, PhD, Drama and Theatre

Margo Vitarelli, United States, MA, Pacific Island Program

Michael Walker, New Zealand, PhD, Zoology

Chifumi Nagai Weitzenhoff, Japan, PhD, Horticulture

Gnanalatha Thenabadu Wijeratne, Sri Lanka, MPH, Public Health

Pauline Lilian Wilson, United States, MPH, Public Health

Jeanne Claire Windsor, California, MPH, Public Health

John Lawrence Witzleben, Hawaii, MA, Ethnomusicology

Hoi Kit Wong, Singapore, MBA, Business Administration

Randolph Yamada, California, PhD, Genetics

Arfa Sayeda Zehra, Pakistan, PhD, History

Special Projects: Pacific Islands Development Program

Research Fellow

E. Macu Salato, Former Secretary-General, South Pacific Commission, Suva, Fiji.

Research and Professional Intern

Hisako Hashida, Secretary-Assistant to H. Kato, Faculty of Law, Gakushuin University, Tokyo, Japan

Don Killeen, Instructor, American Samoa Community College, Pago Pago, American Samoa

Katherine Toshiko Nakata, EWRSI PhD Student, University of Hawaii, Honolulu, Hawaii

Muhammad Saleem, PhD Student, OG, University of Hawaii, Honolulu, Hawaii

Pre-Conference Planning Meeting

Participants

Francis Bugotu, Secretary for Foreign Affairs, Ministry for Foreign Affairs, Honiara, Solomon Islands

Jioji Kotobalavu, Secretary for Foreign Affairs, Government of Fiji, Suva, Fiji

Hans Edward Kruse, Director of Economic Development, Government of Western Samoa, Apia, Western Samoa

Resio Moses, Administrator, Department of Community Services, Office of the High Commissioner, Trust Territory of the Pacific Islands, Saipan, Northern Marianas

Vai Reva, Deputy Director, National Planning Office, Port Moresby, Papua New Guinea

Lazarus Salii, Administrator, Department of Development Services, Office of the High Commissioner, Trust Territory of the Pacific Islands, Saipan, Northern Marianas

Akuila Savu, Director of Central Planning, Government of Fiji, Suva, Fiji

Edward J. Scanlan, Governor's Press Officer, Government of American Samoa, Pago Pago, American Samoa

Gyan Singh, Administration Officer, South Pacific Bureau of Economic Cooperation, Suva, Fiji

Donald W.J. Stewart, Director of Administration, South Pacific Commission, Noumea, New Caledonia

John Vulupindi, Deputy Secretary, Department of Finance, Port Moresby, Papua New Guinea

Conference on the Pacific Islands

Participants

Francisco C. Ada, Lieutenant Governor, Commonwealth of Northern Marianas, Saipan, Northern Marianas

Joseph Ada, Lieutenant Governor, Guam, Agana, Guam

Asi Aiken, Minister of Justice, Government of Western Samoa, Apia, Western Samoa

Dan W. Anderson, President, Brigham Young University, Hawaii Campus, Laie, Hawaii

George R. Ariyoshi, Governor, State of Hawaii, Honolulu, Hawaii

Kim Brian Batcheller, Acting District Administrator, Palau District, Koror, Palau, Western Caroline Islands

Gidon Blumenfeld, SSA/FAO Representative in the South Pacific, Suva, Fiji

George Boughton, Associate Professor, University of Guam, Agana, Guam

David E. Buffet, Chief Minister and President, Legislative Assembly, Norfolk Island

Francis Bugotu, Secretary for Foreign Affairs, Ministry for Foreign Affairs, Honiara, Solomon Islands

Peter T. Coleman, Governor, American Samoa, Pago Pago, American Samoa

John C. Cool, Associate Representative, The Ford Foundation, Manila, Philippines

M.B.R. Couch, Minister of Maori Affairs, New Zealand Government, Wellington, New Zealand

Edward Chester Creutz, Director, Bishop Museum, Honolulu, Hawaii

Thomas R.A.H. Davis, Premier, Cook Islands, Rarotonga, Cook Islands

Hammer DeRoburt, President, Republic of Nauru, Nauru Island, Central Pacific

Peter N. Dobson, Jr., Acting Vice-President for Academic Affairs, University of Hawaii, Honolulu, Hawaii

Edouard Dommen, Economics Affairs Officer, UNCTAD, Geneva, Switzerland

John William Dunrossil, British High Commissioner to Fiji, Suva, Fiji

Wallace O. Green, Acting Assistant Secretary, Territorial and International Affairs, Department of the Interior, Washington, D.C.

Gabriel B. Gris, Director, South Pacific Bureau for Economic Cooperation, Suva, Fiji

David Groman, Director, ILO Office, South Pacific, Suva, Fiji

Dennis Halliday, UNDP Representative, UNDP, Apia, Western Samoa

Michael Heyn, Coordinator, South Pacific Region and Papua New Guinea, UN Fund for Population Activities, Suva, Fiji

Frank Hiob, Representative, University of Papua New Guinea and Associate Dean, College of Tropical Agriculture and Human Resources, University of Hawaii, Honolulu, Hawaii

Irene Elizabeth Johnson, Canadian High Commissioner, Wellington, New Zealand

Raymond V. Johnson, Director of Programs, The Asia Foundation, San Francisco, California

Amata Kabua, President, Government of the Marshall Islands, Majuro, Majuro, Marshall Islands

George Kalkoa, Deputy Chief Minister, Ministry of Home Affairs, Government of New Hebrides, Port Vila, New Hebrides

Mazhar A. Khan, Manager, South Pacific Division, Asian Development Bank, Manila, Philippines

Hidetoshi Kono, Director, Department of Planning and Economic Development, State of Hawaii, Honolulu, Hawaii

Tai-Wan Kwon, Vice-President for Research, Korean Institute of Science and Technology, Seoul, Republic of Korea

Christopher Laidlaw, Special Assistant to the Secretary-General, Commonwealth Secretariat, London, United Kingdom

Toalipi Lauti, Prime Minister, Government of Tuvalu, Funafuti, Tuvalu

Michel M. Legand, Delegate for the South Pacific, ORSTOM, Noumea, New Caledonia

Ian Malcolm MacPhee, Minister, Immigration and Ethnic Affairs, Canberra, Australia

Ratu Sir Kamsese Kapaiwai Mara, Prime Minister, Fiji, Suva, Fiji

James A. Maraj, Vice-Chancellor, University of the South Pacific, Suva, Fiji

A.I. McCutchan, Team Leader, UN Develop Advisory Team for the Pacific, Suva, Fiji

James C. Moomaw, Agronomist, Rockefeller Foundation, New York, New York

Juan Franz Polloi, Acting District Planner, Koror, Palau, Western Caroline Islands

Ihakara Porutu Puketapu, Secretary, Department of Maori Affairs, Wellington, New Zealand

Pierre Revol, Ambassador to the Philippines, Ministere des Affaires etrangeres, Paris, France

Rozanne L. Ridgway, Counselor, Department of State, Washington, D.C.

Brian M. Riordan, Administrator, Foundation for the Peoples of the South Pacific, Honolulu, Hawaii

Charles Ross-Smith, WHO Program Coordinator for the South Pacific, World Health Organization, Suva, Fiji

Shizuo Saito, Adviser, Ministry of Foreign Affairs, Tokyo, Japan

Rafael M. Salas, Executive Director, UN Fund for Population Activities, New York, New York

Lazarus Salii, Administrator, Department of Development Services, Office of the High Commissioner, Trust Territory of the Pacific Islands, Saipan, Northern Marianas

William P. Shaw, Program Officer, International Affairs, Charles F. Kettering Foundation, Dayton, Ohio

Raja Roy Singh, Director, Regional Office for Education in Asia and Oceania, UNESCO, Bangkok, Thailand

Yoshiko Sinoto, Chairman, Department of Anthropology, Bernice P. Bishop Museum, Honolulu, Hawaii

E. Stahn, Member, Delegation Commission of the European Communities for the Pacific, Suva, Fiji

Ieremiah T. Tabai, President, Republic of Kiribati, Tarawa, Kiribati

Lorine Tevi, General Secretary, Pacific Conference of Churches, Suva, Fiji

Andreas G. Tsantis, Division Chief, World Bank, Washington, D.C.

Edgar Tui'nukuafe, Acting Director, Pacific Islanders' Educational Resource Centre,
Auckland, New Zealand

H.R.H. Fatafehi Tui'pelehake, Prime Minister, Government of Tonga, Nuku'alofa,
Tonga

Dick Ukeiwe, Vice-President du Conseil, Gouvernement de Nouvelle Calédonie, Noumea,
New Caledonia

Francisco Orrego Vicuna, Director, Institute of International Studies, The University
of Chile, Santiago, Chile

M. Young Vivian, Secretary-General, South Pacific Commission, Noumea, New Caledonia

R. Gerard Ward, Professor of Human Geography, Australian National University,
Canberra, Australia

Douglas Yen, Ethnobotanist, Bishop Museum, Honolulu, Hawaii

PUBLICATIONS AND OTHER PRODUCTS

Article. "American Rule in Micronesia: Where Have All the Dollars Gone?" by Robert C. Kiste and Michael P. Hamnett. Kontakt, Fall 1980.

Book. International Songbook, Student Affairs and Open Grants, 102 pages, 1,000 copies.

Conference Proceedings. Proceedings of the Pacific Islands Conference: Development the Pacific Way, March 26-29, 1980, Honolulu, Hawaii, Pacific Islands Development Program.

Nonprint Educational Materials. "Visualizing Global Interdependencies," 35 mm. filmstrip with audiocassette and brochure, 11 minutes.

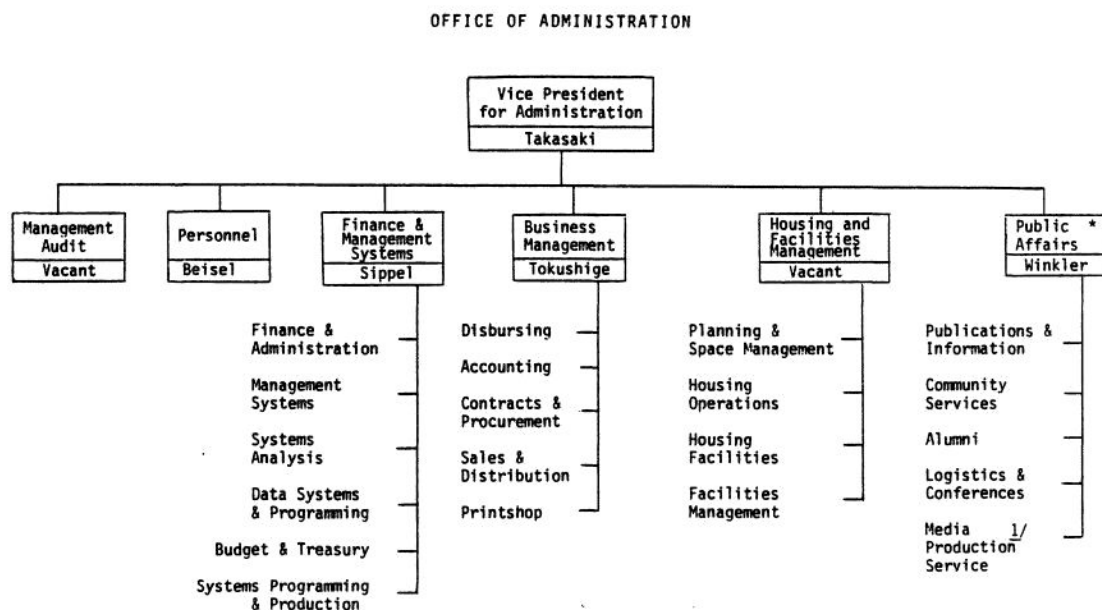
Office of the Vice President for Administration

Richard Takasaki, Vice President

The Office of the Vice President is responsible for the overall planning, budgeting, management, and evaluation of administrative support services of the East-West Center.

During the fiscal year 1980, the Office of Administration underwent more change. On recommendation of consultant Arthur D. Little and Co. and of the MPS Study Committee, Media Production Service was transferred to the Public Affairs unit to provide more coordination of related activities. With this shift, the reorganization of the Office of Administration was essentially completed. The approved organizational structure is as follows.

Organization Chart



* Reports functionally to President

1/ MPS was a separate unit under the Office of Administration. On recommendation of consultant Arthur D. Little and Co. and MPS Study Committee, unit was transferred to Public Affairs.

With the reorganization essentially completed, FY 1980 focused on: (1) assisting the President in the overall management of the Center by minimizing unnecessary costs, and developing and maintaining relationships with internal and external groups; (2) more clearly defining goals and objectives of the Office of Administration and developing work programs to achieve these purposes; (3) improving the internal management of the Office by centralizing controls over budgeting, purchasing, personnel transactions, and other administrative functions; (4) strengthening the performance of administrative and supervisory staff; and (5) improving productivity by increasing effectiveness and efficiency.

These objectives were accomplished through the following activities:

1. Cost of Education: Finalized agreement with the University of Hawaii and implemented new Cost of Education agreement as approved by the UH Board of Regents and the EWC Board of Governors. Under this agreement, the 275 participant figure will be maintained; the EWC will pay regular tuition rates for its participants; and service areas--as agreed upon--will be jointly funded by the EWC and the UH.
2. ICA Audit: Initiated action and responded to issues raised in the ICA Audit Report. Now awaiting response from ICA.
3. University Press of Hawaii/EWC Agreement: Negotiated revised UPH/EWC Agreement. Developed master contract and policy on handling of cash.
4. Union Contract: Renegotiated union contract. Reprinted amended contract for distribution to staff.
5. Cash Management: Revised cash management policies and procedures to maximize earnings on non-Federal funds within constraints of security and flexibility.
6. Program Representation: Reviewed organizational structure of program representation areas with a mind toward redefining roles and responsibilities where feasible.
7. Deferred Compensation: Continued efforts to clarify details of proposed deferred compensation plan for the EWC. Efforts underway to draft booklet outlining plan in comparison with TIAA/CREF.
8. Campus Utilization Report: Completed study and final report. This is a conceptual plan for the EWC campus. Development of an implementation plan is pending the arrival of the new president.
9. Contracts and Grants: Revised budget format, instructions, and procedures for contracts and grants proposals.
10. Housing Rates: Reviewed and developed new Housing rates to be implemented in FY 1981.
11. Office of Administration Manual: Completed final draft of Financial Policies and Procedures Manual. Distribution set for early FY 1981. Remaining sections of the Office of Administration Manual expected to be ready for distribution in FY 1981.
12. Productivity: Developed plan to improve productivity in the Office of Administration through:
 - (a) Use of technology and equipment for less productive labor;
 - (b) Systems development;
 - (c) Productivity measurement, training, and evaluation; and
 - (d) Productivity consciousness.

Plan is now under review. Additionally, in FY 1981, internal management audits will be undertaken to better assess needs and improvements.

13. Charge Backs: Introduced market mechanism concept (charge for services) in the printing, housing, and audio/graphics areas. Under consideration is the installation of charge back systems in other areas in order to self-regulate demand with supply.
14. Supervisory Performance: Revised Supervisory Employees' Evaluation Report to a job-related focus and to include item on productivity.
15. Studies: Initiated and/or completed study and evaluation in the following areas with a view toward increasing productivity and maximizing available resources:
 - (a) Telecommunication System: Initiated and completed study to define the Center's telecommunication needs and alternatives. Installation of new system set for early FY 1981.
 - (b) Participant Awards: Completed internal study of the Participant Award stipend system. Proposal resulting from this study patterns the EWC stipend system after the Fulbright system.
 - (c) Energy Conservation: Completed in-depth study. Approximately \$74,000 in estimated annual recurring energy cost savings were identified. Cost and usage reduction recommendations were developed in major areas of energy management. Development of schedule and plan for implementation underway.
 - (d) Reprographic System: Implemented new reprographic structure. This stems from findings of the study undertaken and completed in FY 1979 that a new integrated structure could better meet the EWC's total reproduction needs in a cost efficient and quality manner. Implementation included relocation and renovation of the Printshop to expend services and to make way for a Fast Copy service in Burns Hall.
 - (e) Word Processing: Completed study of needs and requirements for a word processing system at the EWC. Installation and training nearly completed by the close of FY 1980.
 - (f) Accounting and Budgeting Operating Functions: Clarified and delineated operating responsibilities of the accounting and budgeting units with the objective of coordinating the efforts of both units so as to achieve maximum efficiency and effectiveness. Findings are now under review.
 - (g) Computer Study: Began planning for study on long-range computer needs and requirements of the EWC. Study to be completed in FY 1981.
 - (h) Resource Materials Collection: Initiated study on programmatic, cost, space, and personnel implications of centralizing and decentralizing the Resource Materials Collections. Study to be completed in FY 1981.
 - (i) Public Affairs: Major accomplishments are reported in Public Affairs section.

Business Management Unit

The goal of the Business Management Unit is to provide administrative support services in an efficient and effective manner to achieve the Center's goal in program operations and management. The administrative support services assigned to the Business Management Unit are:

1. Contracts and grants administration
2. Purchasing and insurance management
3. Pre-audit payments to participants, staff and outside vendors and contractors
4. Accounting and reporting of financial transactions
5. Publication sales and distribution services
6. Records management and archives
7. Mail and messenger service
8. Reprographic services

Major Accomplishments

Following a year of major reorganizational changes, emphasis was placed on evaluation of program activities with the objective of increasing productivity and marketability of services during FY 80. Accomplishments include:

1. Evaluated mail and messenger service: Implementation of major changes geared towards accountability and security of mail through development of new procedures and staff training.
2. Evaluated reprographic services available at the Center: Implementation of the "fast copy" system to increase productivity; relocation and upgrading of "printshop" activities to increase the marketability of services.
3. Implemented full staffing in Accounting, Disbursing, and Purchasing sections resulting in increased productivity, quality of work and marketability of services.
4. Revised Business Management policies and procedures for incorporation in Office of Administration Policies and Procedures Manual.
5. Assisted in and facilitated independent auditors' year-end audit as noted in the minutes of the Board of Governors--"...the audit for the fiscal year ending September 30, 1979, as the smoothest audit since the Corporation was established in 1975."

Problems and Needs

There is need for an agreement on the definition, implications, and responsibilities related to financial planning and financial reporting.

This need raises the philosophical question--"What is a meaningful budget and accounting system?" A related operational question is, "Who has the primary responsibility to see that the accounting system and financial reporting are in compliance with appropriate requirements?"

Success in managing an organization is dependent upon the elimination of philosophical and operational inconsistencies relating to responsibilities of financial planning, control, and management.

To resolve this problem, a consultant studied this area and recommended operational changes. Implementation of these recommendations will have to be reviewed together with major philosophical differences.

Finance and Management Systems Unit

The Finance and Management Systems unit functions as the chief planning and analysis unit of the Office of Administration. The unit develops the accounting system and serves as the budgetary management arm of the Center; provides systems analysis and accounting, treasury, and budgeting support for the substantive programs and other activities of the Center; and provides centralized data processing services to the management and programs of the Center.

During FY 1980 Finance and Management Systems accomplished the following tasks. The unit implemented improvements to the computerized accounting/budgeting system in the area of management reporting. Detailed budgeting and cost information was provided for preparation and submission for the FY 1982 budget. A centralized EWC word-processing system was installed for increased productivity and efficiency. The Center's computer capability was strengthened with the installation of an in-house computing facility (a PDP-11/70 system which includes tape drives, disk storage devices, and interactive terminals). The treasury management system was strengthened and an investment policy was submitted to and received approval by the Board of Governors. The Management by Objectives and Results program was emphasized to improve efficiency and effectiveness within the unit. The following major studies/analyses were completed: Word Processing, Participant Stipends and Allowances, Married Participant Concerns, Housing Automated Reservation System, Funding Alternatives for the Telephone System, Personnel Information System. The following major computer systems were improved or implemented: Payroll, Bibliographic, Personnel, Accounting/Budget, Contracts and Grants Reporting, Participant Data, Alumni, and Housing Reservations. The remaining Computer Program documentation backlog was completed. The capability for systems analysis, management improvement studies, and efficiency/effectiveness (productivity) studies was greatly enhanced during FY 1980.

Personnel Unit

The Personnel unit supports all Center offices and units in attracting and retaining those people most qualified to carry out the Center's mission through a comprehensive personnel system. Major dimensions of this system include: staffing, classification and salary administration, employee training and career development, benefits, labor and employee relations, equal employment/affirmative action, and personnel policy development.

During FY 1980 the unit processed recruitment for the following appointments: Permanent - 23, Limited - 14, Temporary - 22, Casual - 191.

Casual appointments decreased 35 percent during FY 1980. Permanent, limited and temporary appointments together remained the same as FY 1979 with a shift to fewer permanent but increased limited and temporary appointments for FY 1980.

A major focus for FY 1980 was on employee relations, with 36 cases which required a substantial percentage of time. Makana committee materials were developed which resulted in 23 nominations, an increase of 13 from the previous fiscal year.

Personnel staff continued to work with the EEO Committee to revise the entire EEO Program and a considerable amount of time was spent on that project. Rebecca Dixon, Associate Personnel Officer, continues to function as EEO Coordinator pending selection of a new coordinator outside the Personnel unit.

The EEO case investigated by the Federal Equal Employment Opportunity Commission was resolved to the mutual satisfaction of the grievant, Center and the United States Government. There was no finding of discrimination based on a "no fault" settlement.

Of the employee relations cases cited above, coordination with HGEA was required in fifteen cases. Negotiations were completed and there was frequent coordination with HGEA on a number of procedural matters of mutual interest. Part of the negotiation process involved updating positions which are excluded from the bargaining unit.

Work continued on the proposals submitted for an alternative retirement plan. New rates for health insurance were calculated based on the carrier's submissions and a new health insurance plan (HMSA's Community Health Plan) as well as a revised dental plan (Hawaii Dental Service).

Throughout the fiscal year, 261 position descriptions were reviewed for classification. Forty-four positions were reviewed in depth. There were five classification appeals.

Fifty-one training requests were reviewed and approved during this period. A training session was designed and conducted for supervisors on performance evaluation utilizing role modeling and participation. The session is planned for other units during FY 1981.

Housing and Facilities Management Unit

Housing and Facilities Management is responsible for managing housing accommodations, facilities, and grounds of the East-West Center.

After the April 1979 reorganization of Housing and General Services, an internal housing study was conducted. In FY 1980, the Housing unit attempted to implement as many of the recommendations resulting from that study as possible. Policies and procedures for a manual were put in written form and approved by appropriate parties. Rent collection procedures were revised to reconcile with central financial records on a monthly basis to alleviate end-of-the year problems with reconciliation.

Communication with participants and input on participant concerns were strengthened and regularized through the establishment of a Food, Housing and Security committee. Through this means and also through the efforts of the various hall committees, improvements in housing accommodations and services were suggested by members and implemented by housing staff. Comfortable new study chairs were purchased to replace broken and/or worn out chairs, frozen water valves were replaced to improve the plumbing system, new fluorescent light fixtures were added in rooms for better illumination, a key-drop system similar to those used in hotels was provided, a new mini-concessionaire selling popular sundry items at Hale Manoa front desk was begun on a trial basis and security concerns were diminished by the installation of new security lounge doors in Hale Manoa and a wooden security gate controlled by the resident's room key.

Attempts were also made to improve occupancy in the residence halls. Various departments at the University of Hawaii were informed that rooms were available for rent in Lincoln Hall on a space available basis.

Major projects completed in FY 1980 include:

1. Construction of a new Jefferson Hall printshop and mail distribution office.
2. Construction of new speedprint quarters in Burns Hall.
3. Expansion of the Burns Hall telephone equipment room to accommodate the Center's new telephone equipment requirements resulting from the expanded telephone system.

4. Completion of the last phase of the Burns Hall computer room resulting from efforts to expand computer usage and services available to East-West Center staff.
5. Completion of the re-roofing of Hale Kuahine and Lincoln Hall dormitories before the onset of winter rains.
6. Renovation/Refurbishing of cottage #35 to meet additional office space needs for the Resource Systems Institute.
7. Remodeling of Jefferson Hall Pumehana Room into a more attractive dining room with access to the Japanese Garden.
8. Implementation of the following energy conservation measures:
 - (a) Tinting of Jefferson Hall office windows to reduce glare and heat build-up.
 - (b) Removal of excess fluorescent lights in Lincoln Hall suitable for residential rather than office use.
 - (c) Notices to staff to turn off unnecessary lights, use stairs rather than elevators, and to be more energy conscious.
9. In total, this section responded to and completed 1,031 work requests of varying complexity, 1,625 long distance calls and telegrams for participants, and recorded 3,208 requests by participants and staff for use of Center vehicles.
10. Campus Plan:

As a result of burgeoning space needs as well as need for an East-West Center campus master plan, Group 70, Inc., was hired to do a campus utilization study. Results of the final report indicate that our campus would be able to accommodate major growth with careful planning. A number of alternative plans were presented to accommodate 25 percent, 50 percent, and 100 percent growth.
11. Telephone Study:

Due to increased pressure from the University to acquire our own telephone system, a consultant was hired to determine and design a new telecommunications system which would meet East-West Center's needs and be cost-effective as well. Considerable time was spent with the consultants to assess and evaluate needs identified by institutes and offices as well as to isolate user privileges such as WATS access, speed-calling, etc.
12. Energy Study:

Concern over rising utility and energy costs prompted the hire of an energy consultant to conduct a study on the use of energy at the Center and ways of reducing costs through elimination of energy-wasters. A seminar aimed at getting staff and participants to be more conscious of energy-saving methods was conducted in conjunction with one energy study, and an energy monitoring committee was established to keep tabs on progress.

Public Affairs Unit

In Asia, the Pacific, and the United States, more opinion leaders than ever before know about and respect the East-West Center. They also have an increased understanding of East-West cultures and problems. These achievements were major goals of the Public Affairs Office during 1980.

Through services, activities, products, and person-to-person relationships, the Office reached thousands of people who had not previously been close to the Center. The Office also generated substantial positive news coverage; improved the appearance, visual coordination, and readability of numerous publications (with very little, if any, increase in cost); and received four national awards and two local awards for its work.

Cost savings were made in several areas, resulting in a 1981 budget that is 10 percent less than in 1980.

By shifting responsibilities and merging functions, we were able to strengthen our Hawaii Relations program, enhance our international outreach to alumni and others, pack more editorial punch into East-West Perspectives, and successfully package low-cost but first-class audio-video facilities. Major items are covered in the following summary:

Hawaii Services:

- Initiated and held five noon-time seminars (free) for the local community, averaging 75 to 100 persons.
- Conducted 13 orientation breakfasts and luncheons for business leaders, legislators, and leaders of ethnic groups.
- Arranged for 434 participants to be guests at luncheon/dinner meetings of community groups.
- Scheduled 54 staff and participants to speak in schools and community colleges.
- Conducted special tours for 837 individuals (in addition to tours provided by volunteers).
- Prepared the prototype first draft of a booklet on "People and Their Areas of Expertise at EWC," which, in final form, is expected to be helpful to legislators, business leaders, the media, and policy shapers in Hawaii and in various countries.
- Co-hosted the Asian-Pacific American Women's Conference, which brought 200 Hawaii-resident women to this regional conference at EWC.
- As a means of sharing national cultures and programs with the Hawaii community, initiated, assembled, displayed and publicized five exhibitions in Burns Hall Common Room in cooperation with sponsors and other offices that provided funds.
- Coordinated activities of the Friends of the East-West Center.

"Friends" Activities:

- Co-sponsored with six other groups in Hawaii a program by the Smithsonian Associates in which more than 2,000 community people participated.
- Provided eight volunteer tour guides for four tours each week totalling 400 hours of contributed time.
- Provided 25 information-desk receptionists in Jefferson Hall, staffing the desk six hours a day, five days a week for a total of 1,440 hours of contributed time.

- Provided volunteer office helpers who contributed more than 1,000 hours.
- Devoted 800 hours of service on the Friends Board, the Host Family Committee, or the Fellows Committee.
- Provided 511 flower leis and 878 Aloha information packets to new EWC participants.
- Spent about \$3,000 to give a partial subsidy to 2,150 tickets for participants who attended community cultural, educational, and sports events.
- Conducted, for EWC Fellows, eight monthly Happy Hours, a Christmas party, and a beach picnic.
- Recruited 15 new Host Families and initiated neighborhood meetings for members of the Host Family Program.

International Visitors Services:

- Briefed and coordinated programs for 312 official visitors to EWC.
- As a means of assisting program representatives, visitors, staff, and participants, prepared the annual series of 26 "Country Reports" (approximately 200 pages), summarizing EWC relationships on a nation-by-nation basis with both annual and total EWC involvement statistics related to participants.

News Services:

Honolulu media--Generated a 22 percent increase in the number of news articles related to EWC research and conferences, a 60 percent increase in the number of editorials and editorial-page columns that were about or mentioned EWC, and a 50 percent increase in the number of EWC items placed in the highly read "three-dot columns."

- Averaged six positive EWC references a week in the newspapers.
- Placed various EWC authorities and visiting experts on television discussion programs on Channels 2 and 4. Special TV coverage included a film shot by Channel 4 at the Pacific Islands Development Conference and used in several Pacific nations.
- Honolulu Magazine featured President Kleinjans in a multi-page personal interview article.
- Waikiki tourist publications carried, throughout the year, feature articles we prepared on EWC.
- Feature articles on EWC also were secured in such publications as Hawaii Hochi, Hyatt Hawaii, and Pacific Business News.

Honolulu community--Wrote, edited and produced (every three weeks) a newsletter, At the Center, for 2,500 Hawaii opinion leaders and local alumni and Friends; obtained second-class postage permit, resulting in major savings in postage.

EWC community--Wrote, edited, and produced weekly issues of the Intrachange newsletter; re-designed this publication to bring it into conformity with the Center's "family-resemblance" visual coordination program initiated by Public Affairs.

Mainland/Asia/Pacific media:

- Prepared feature article on EWC that was accepted by the Asia-Pacific News Service of ICA and transmitted to all posts, with widespread use by the media.
- Secured features on EWC in or through the following: AP Newsfeatures (on its national wire), The Rotarian (scheduled for 1981), Newsweek Television News Service, and Field News Service (subscribed to by 120 United States newspapers with an aggregate circulation of 20 million. Numerous articles resulted from coverage of the Pacific Islands Development Conference by the New York Times, Pacific Islands Monthly, New Pacific, Auckland Star, the Kyodo News Service, and the Voice of America.

Alumni Services:

- Co-sponsored the 1980 International Alumni Conference held at EWC July 27-August 2, which brought together 230 alumni from 24 countries for interactive panels and papers on 20 topics related to "East and West: A Perspective for the 80s".
- Assisted and provided professional and clerical services to the new nine-member executive committee elected by the alumni conference to create an International Alumni Association.
- Successfully encouraged the development of a new alumni group in Lahore, Pakistan, which brings our total of alumni groups to 15.
- Updated and improved the computerized alumni address system, including the addition of employment information and the development and production of a computer-generated 3 x 5-card alphabetical reference file on all 30,000 alumni records maintained by EWC.
- Edited and produced the three-volume Alumni Directory classified according to country or origin/residence and distributed copies to program representatives, alumni contacts, and EWC institutes.
- Edited and produced the Proceedings of the 1979 international alumni conference held in Korea.
- Edited and produced three issues of the alumni newsletter, Echo, increasing its EWC news content and refining its mailing list through an alumni questionnaire.
- Received alumni contributions--cash gifts from Young-June You (Korea 68-70 Political Science), professor of political science at Myongji University in Seoul, and from Hyong-Min Kim (Korea 67-68 LIP), executive director of the Tongmyung Shipping Company in Seoul; and gifts of newspaper subscriptions from the New Zealand alumni (New Zealand Herald and New Zealand Listener) and from the Alumni Association of Bangladesh (the Bangladesh English daily newspaper).

Publications:

- Edited and produced three issues of East-West Perspectives; gained acceptance of Perspectives among readers, as evidenced by letters, comments, and requests to be added to the mailing list; made 2,500 additions and 1,000 changes of address.
- Produced the President's Review, the Center's Program Catalog, and several informational folders.

Media Production Service (Graphics, Photography, Printing Consultation)

- Initiated charge-back system to cover actual cost for materials and supplies; completed 733 work requests for which \$9,118 was received in revenue. Sixty-four percent of all work requests were from the institutes and open grants. MPS achieved a 75 percent reduction in student-help services and eliminated one clerical position.

Media Production Service (Audio-Video)

This section consists of one consultant--George Darby--three regular student helpers, and 10 additional students who are called upon when needed to perform technical roles in video, audio, slide/tape, and filmstrip production. By training students for these purposes, we greatly reduced the cost of audiovisual production. Generally, production costs are 15 to 30 percent of commercial rates; the technical quality is comparable.

Productions are financed through a charge-back system to the client at the rate of \$10 an hour for technical services plus the actual costs of materials, supplies, and student assistants. During 1980, the A-V section filled 35 work requests (77 percent were from the institutes and Open Grants), which generated \$9,780 in revenue. CLI and Open Grants were the primary users.

Productions in 1980 included a synchronized-sound filmstrip, "Visualizing Global Interdependencies," packaged in a customized album with instructional brochure and audiocassette for the Dean's Office; 16 hours of videotape of the Pacific Islands Development Conference; 12 instructional tapes (including a lecture by Allen Ivy that has been used in classrooms in Australia, Norway, Switzerland, and the United States); and videotapes of the highlights of various events of the Anniversary Year. The most complex video project was the closed-circuit TV coverage of the Pacific Islands Development Conference, permitting hundreds of conferees and spectators to experience the conference.

A major achievement was the completion of permanent production facilities (audio control room, audio studio, and a color video studio). All aspects from construction to engineering to equipment specification, were developed by George Darby, and the construction was done by student helpers under his supervision. This resulted in a savings of more than \$150,000 over commercial-system design and construction rates. The video-production facility features portable production modules, allowing multi-camera production both in the studio and in the field. This is the only facility of this type in Hawaii.

In June, the A-V section hosted (at no cost to the Center) a reception for participants in the first International Television Design Conference (held in Waikiki). Representatives from three Japanese networks, three Canadian broadcasting corporations, and PBS stations in Boston, New York, San Francisco, and Baltimore came to the Center, and many of them said they welcomed the opportunity to evaluate any videotapes that EWC might submit to them for broadcast. In particular, the director of program development for the Maryland Center for Public Broadcasting (which was the nation's most powerful television transmitter), expressed strong interest in EWC productions.

Logistics:

This section provides facilities and services for conferences, seminars, and special events. The Center's facilities, while intended primarily to serve the institutes and Open Grants, are available to international, University of Hawaii, and selected local community groups on a time-available basis. During 1980, Logistics provided support for 30 EWC-sponsored conferences, 8 United States/Japan or United States/

Australian seminars, 34 UH seminars and workshops, and 26 meetings sponsored by local governmental agencies and educational, civic, research, and professional organizations. Improvements made in conference facilities included the installation of new chairs and the upgrading of audio systems for the Asia and Pacific Rooms in Jefferson Hall.

SPECIAL RECOGNITION TO PUBLIC AFFAIRS

East-West Perspectives received four national awards based on the first two issues of this new magazine. The first issue and the center section and cover of the second issue were edited by H. Donald Winkler, Executive Administrator for Public Affairs, prior to the recruitment of the permanent editor, Robert Armbruster. The awards are:

1. Selection as one of the "Top Ten" educational magazines in the United States and Canada, by the Council for Advancement and Support of Education. Also recognized were the magazines of Harvard, Massachusetts Institute of Technology, Rutgers, Notre Dame, Johns Hopkins, Brown, Cornell Business School, Boston University, and Radcliffe.
2. An "Exceptional Achievement" award from CASE for "the presentation of public issues in the context of their relationship to the programs of the institution and its role in society," for articles in Perspectives written by Saleem Ahmed (RSI), Harrison Brown (RSI), Everett Kleinjans, Mark Valencia (EAPI), and John Walsh (CLI).
3. A "Special Merit" award from CASE for "creative ideas in graphics," for the treatment of the "Visualizing Global Interdependencies" article in the first issue.
4. The "All-America Distinguished Achievement Award" from the Educational Press Association of America.

In addition, an exhibit on EWC research prepared for the Burns Hall lobby received a "Best of Hawaii" award from the Honolulu Advertising Federation.

CENTER-WIDE APPENDIX

PARTICIPANTS BY COUNTRY

October 1, 1979 - September 30, 1980

	FELLOWS			PROFESSIONAL ASSOCIATES			DEGREE STUDENTS						Total Students	TOTAL ALL AWARDS
	New	Carryover	Total	New	Carryover	Total	DOCTORATE			MASTERS				
							New	Carryover	Total	New	Carryover	Total		
Afghanistan				3		3		3	3		3	3	6	9
Australia	5	3	8	35	1	36	1	2	3	3	3	6	9	53
Bangladesh				17	1	18		1	1		3	3	4	22
Burma	1		1											1
China														
Mainland	2		2	44		44								46
Taiwan	1		1	12		12	1	8	9	2	4	6	15	28
Cook Islands				3		3								3
Fiji	1		1	24		24		2	2	1	1	2	4	29
Guam	1		1	6		6		2	2	1		1	3	10
Hong Kong				12	1	13	1	3	4	2	7	9	13	26
India	2	2	4	47	2	49	5	8	13		6	6	19	72
Indonesia	2	3	5	99	3	102		5	5	3	2	5	10	117
Iran	1		1	5		5		2	2		1	1	3	9
Japan	3	1	4	40	5	45	1	5	6	3	4	7	13	62
Kiribati				3		3								3
Korea	5	1	6	42	6	48		17	17	6		6	23	77
Malaysia				46	1	47	3	3	6	4	5	9	15	62
Micronesia				14		14		2	2	1	3	4	6	20
Nauru				1		1								1
Nepal				16		16		4	4		3	3	7	23
New Caledonia				3		3								3
New Zealand	5	2	7	35		35	1	7	8	2	1	3	11	53
Niue				1		1								1
Pakistan		2	2	20	2	22	2	7	9	3	6	9	18	42
Papua New Guinea				13		13				1	4	5	5	18
Philippines	5	5	10	92	10	102	1	11	12	4	7	11	23	135
Samoa, American				4		4		1	1		2	2	3	7
Samoa, Western	2		2	10		10					1	1	1	13
Singapore	1		1	13		13	1	2	3	2	3	5	8	22
Solomon Islands	1		1	9		9								10
Sri Lanka		1	1	30	2	32	1	5	6		4	4	10	43
Thailand	1	3	4	112	4	116	3	18	21	3	3	6	27	147
Tonga	1		1	4		4								5
Tuvalu				2		2								2
Vanuatu				1		1								1
Vietnam				2		2								2
United States	52	20	72	315	39	354	15	46	61	21	49	70	131	557
Other	5	1	6	20		20								26
Total	97	44	141	1,155	77	1,232	36	164	200	62	125	187	387	1,760

PARTICIPANTS BY INSTITUTE

October 1, 1979 - September 30, 1980

	<u>FELLOWS</u>			<u>PROFESSIONAL ASSOCIATES</u>			<u>DEGREE STUDENTS</u>						<u>Total Students</u>	<u>TOTAL ALL AWARDS</u>
	<u>New</u>	<u>Carryover</u>	<u>Total</u>	<u>New</u>	<u>Carryover</u>	<u>Total</u>	<u>DOCTORATE</u>			<u>MASTERS</u>				
							<u>New</u>	<u>Carryover</u>	<u>Total</u>	<u>New</u>	<u>Carryover</u>	<u>Total</u>		
Communication	25	7	32	152	37	189	3	19	22	13	25	38	60	281
Culture Learning	8	6	14	151	13	164	3	28	31	12	14	26	57	235
Environment and Policy	23	12	35	301	12	313	3	7	10	9	4	13	23	371
Population	28	8	36	230	9	239	6	32	38	8	10	18	56	331
Resource Systems	5	11	16	243	5	248	14	33	47	7	15	22	69	333
Open Grants	7		7	1		1	7	45	52	13	57	70	122	130
Pacific Islands Development Prog	1		1	77	1	78								79
Total	97	44	141	1,155	77	1,232	36	164	200	62	125	187	387	1,760

PARTICIPANT MONTHS BY INSTITUTE

October 1, 1979 - September 30, 1980

	<u>FELLOWS</u>	<u>PROFESSIONAL ASSOCIATES</u>	<u>DEGREE STUDENTS</u>	<u>TOTAL</u>
Communication	92	326	460	878
Culture Learning	103	323	435	861
Environment and Policy	135	279	178	592
Population	133	265	459	857
Resource Systems	132	280	524	936
Open Grants	14	2	958	974
Pacific Islands Development Prog	1	40		41
Total	610	1,515	3,014	5,139

FY 1980 PARTICIPANT AWARDS BY OCCUPATION

	Fellows	Professional Associates and Interns	Students and Joint Doctoral Research Interns	Total
<u>CENTRAL GOVERNMENT (23.9%)</u>				
Heads of Government		6		6
Ministerial Level Officials	1	4		5
Executive Level Officials		29		29
Central Government Civil Service			1	1
Professionals and Scientists in Central Government	12	272	31	315
Legislators		7	1	8
Others in Central Government		47	10	57
<u>STATE, REGIONAL OR PROVINCIAL GOVERNMENT (1.0%)</u>				
Governors or Other Reg Chiefs		2		2
Executive Level Reg Officials		5		5
Senior Reg Dept Heads		1		1
Professionals and Scientists in Regional Government		4	4	8
Others in Regional Government		2		2
<u>CITY OR TOWN GOVERNMENT (.05%)</u>				
Executive Level City Officials		1		1
<u>INTERNATIONAL ORGANIZATIONS (2.7%)</u>				
Senior Officials of International Organizations	1	4		5
Employees of International Organizations	2	41		43
<u>UNIVERSITY LEVEL (49.8%)</u>				
University Presidents or Rectors		1		1
University Administrative Staff	25	72	2	99
University Teaching or Research Staff	52	281	103	436
University Graduate Students	6	123	94	223
University Undergraduate Students		8	35	43
Others in Universities	5	57	12	74
<u>SECONDARY SCHOOLS (2.2%)</u>				
Secondary School Principals		1		1
Secondary School Teachers or Staff		25	11	36
Others in Secondary Schools		2		2
<u>ELEMENTARY SCHOOLS (.6%)</u>				
Elementary Principals, Teachers or Staff		11		11
<u>PRIVATE BUSINESS (3.9%)</u>				
Corporate Executives	3	8	1	12
Managers Employed by Private Business		14	4	18
Employees	1	1	8	10
Professionals and Scientists Employed by Business	1	11	8	20
Others in Private Business		8		8
<u>SELF-EMPLOYED PROFESSIONALS (.4%)</u>				
Legal Field		1		1
Technical Field	1			1
Other Self-Employed Professionals	1	4		5
<u>INDEPENDENT INSTITUTES, NON-PROFIT CORPORATIONS, HOSPITALS, ETC. (12.3%)</u>				
Directors of Institutes, Corporations or Hospitals	2	24	1	27
Managers-Executives in Institutes and Corporations	5	23	5	33
Employees of Institutes and Corporations		9	16	25
Professionals and Scientists Employed by Institutes, etc.	13	70	29	112
Others in Institutes and Corporations	1	19		20
<u>THE ARTS (.2%)</u>				
Artists - Graphic Arts	1			1
Authors - Playwrights, Poets, etc.		2		2
<u>ELECTRONIC MEDIA (.7%)</u>				
Radio and TV Journalists	1		2	3
Others in Electronic Media	1	6	2	9
<u>PRINTED MEDIA (1.8%)</u>				
Editors	4	13	3	20
Journalists	2	2	2	6
Others in Printed Media		3	2	5
<u>OTHER (.5%)</u>				
Other		8		8
TOTAL	141	1,232	387	1,760

EAST-WEST CENTER TOTAL PARTICIPANTS BY COUNTRY 1960-1980

	FELLOWS		PROFESSIONAL ASSOCIATES		DEGREE STUDENTS				TOTAL ALL AWARDS
	Total	Hawaii	Field Training	Total	Doctorate	Masters	Bachelors	Total	
Afghanistan	1	47		47	6	18	23	47	95
Australia	39	199	420	619	17	43	1	61	719
Bangladesh	6	164	2	166	6	27		33	205
Brunei							1	1	1
Burma	1	11		11		17	1	18	30
Cambodia		13	1	14		2	4	6	20
China									
<i>Mainland</i>	2	47		47					49
<i>Taiwan</i>	35	559	665	1,224	30	174		204	1,463
Cook Islands		41	55	96		1	1	2	98
Easter Island		1		1	1			1	2
Fiji	3	184	395	579	2	8	26	36	618
French Polynesia	1	20	8	28					29
Gilbert Islands		36	4	40					40
Guam	1	73	213	286	2	2	1	5	292
Hong Kong	7	111	6	117	9	54		63	187
India	59	362	3	365	78	150	2	230	654
Indonesia	48	728	63	791	17	69	10	96	935
Iran	5	66	2	68	2	2		4	77
Japan	96	1,177	2,726	3,903	40	289	1	330	4,329
Kiribati		3		3					3
Korea	46	576	263	839	73	195		268	1,153
Laos		29	1	30		1	42	43	73
Malaysia	10	379	21	400	20	58	39	117	527
Micronesia	1	909	1,106	2,015	2	18	37	57	2,073
Nauru		7		7					7
Nepal	2	88	22	110	8	36	4	48	160
New Caledonia		28	139	167					167
New Zealand	23	184	195	379	14	27		41	443
Niue		12	3	15			1	1	16
Norfolk Island			1	1					1
Pakistan	21	157		157	38	74		112	290
Papua New Guinea	1	113	8	121		7	5	12	134
Philippines	51	790	101	891	52	237		289	1,231
Samoa, American		213	917	1,130	1	4	11	16	1,146
Samoa, Western	4	151	378	529	1	5	8	14	547
Singapore	3	95	62	157	5	23	6	34	194
Solomon Islands	1	30	79	109		1		1	111
Sri Lanka	11	140	3	143	11	33		44	198
Thailand	29	741	378	1,119	45	176		221	1,369
Tonga	2	80	91	171		2	10	12	185
Tuvalu		2		2					2
United States	455	3,742	148	3,890	218	839	19	1,076	5,421
Vanuatu		21	164	185					185
Vietnam	1	29	10	39	1	25	13	39	79
Wallis & Futuna Islands		1	1	2					2
All Other Countries	13	212	1	213	1			1	227
Conferences 1960 - 1970		5,909	410	6,319					6,319
Total	978	18,480	9,065	27,545	700	2,617	266	3,583	32,106

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.

The East-West Center was established in October 1960 by United States Congressional legislation. A summary statement of Congressional appropriations appears below. Up until FY 1972 the appropriations specified major categories of Operations, Scholarships and Grants, and Capital Improvements. In Fiscal Year 1973 and subsequent years the categories specified were Education, Research and Training Programs, and Program Direction, Administration and Institute Support.

SUMMARY OF APPROPRIATIONS

Fiscal Years 1961 through 1980

<u>Fiscal Year*</u>	<u>Operations</u>	<u>Scholarships And Grants</u>	<u>Capital Improvements</u>	<u>Total Appropriation</u>
FY 1961	\$ 338,895	\$ 1,500,130	\$ 8,160,975	\$10,000,000
FY 1962	759,925	2,540,075	-	3,300,000
FY 1963	1,460,000	5,425,000	1,455,000	8,340,000
FY 1964	1,786,600	3,313,400	-	5,100,000
FY 1965	1,814,700	3,485,300	-	5,300,000
FY 1966	2,000,000	3,800,000	-	5,800,000
FY 1967	2,100,000	3,700,000	250,000	6,050,000
FY 1968	1,956,500	3,263,500	-	5,220,000
FY 1969	1,941,400	3,318,600	-	5,260,000
FY 1970	1,941,400	3,318,600	-	5,260,000
FY 1971	2,588,536	3,102,600	(75,500)	5,615,636
FY 1972	1,543,864	3,439,000	-	4,982,864

	<u>Education, Research and Training Programs</u>	<u>Program Direction, Administration and Institute Support</u>	
FY 1973	\$4,956,396	\$1,243,604	6,200,000
FY 1974	5,485,000	1,440,000	6,925,000
FY 1975	5,602,000	1,798,000	7,400,000
FY 1976*	8,433,000	2,917,000	11,350,000
FY 1977	7,515,000	2,485,000	10,000,000
FY 1978	9,150,000	3,050,000	12,200,000
FY 1979	10,005,000	3,495,000	13,500,000
FY 1980	11,590,411	3,076,589	14,667,000

*FY 1976 covers the fifteen-month period July 1, 1975 to September 30, 1976. Prior to this period the fiscal year covered the period July 1 to June 30. Fiscal years 1977 through 1980 covered the period October 1 to September 30.

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.

BALANCE SHEET

September 30, 1980 and 1979

ASSETS

	<u>1980</u>	<u>1979</u>
Current funds (Note 1):		
General operating funds:		
Cash (including interest bearing accounts of \$1,164,373 and \$1,574,616 and book overdrafts of \$851,571 and \$1,293,004 for 1980 and 1979, respectively)	\$ 312,802	\$ 281,612
Due from International Communication Agency	-	481,000
Accounts receivable	43,324	6,712
Inventories	7,195	16,391
Prepaid expenses	374,646	347,683
Equity in publishing fund	21,613	94,732
Organization costs	-	19,550
Due from restricted operating funds	<u>172,819</u>	<u>46,029</u>
Total general operating funds	<u>932,399</u>	<u>1,293,709</u>
Restricted operating funds:		
Cash	1,335	530
Due from sponsors (Note 2)	<u>1,676,925</u>	<u>2,142,075</u>
Total restricted operating funds	<u>1,678,260</u>	<u>2,142,605</u>
Total current funds	<u>2,610,659</u>	<u>3,436,314</u>
Endowment funds:		
Savings account	10,985	7,113
Due from general operating funds	<u>74</u>	<u>-</u>
Total endowment funds	<u>11,059</u>	<u>7,113</u>
Plant funds (Note 1):		
Due from general operating funds	375,000	375,000
Furniture and equipment	2,454,678	1,899,199
Building improvements	<u>1,167,424</u>	<u>863,028</u>
Total plant funds	<u>3,997,102</u>	<u>3,137,227</u>
Elimination of interfund balances	<u>(547,893)</u>	<u>(421,029)</u>
	<u>\$ 6,070,927</u>	<u>\$ 6,159,625</u>

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.

BALANCE SHEET

September 30, 1980 and 1979

LIABILITIES AND FUND BALANCES

	<u>1980</u>	<u>1979</u>
Current funds (Note 1):		
General operating funds:		
Accounts payable and accrued liabilities	\$ 230,239	\$ 391,467
Advances from International Communication Agency	3,170	7,554
Other deposits	1,560	2,639
Due to plant funds (Note 4)	375,000	375,000
Due to endowment funds	74	-
Commitments and contingencies (Note 3)	-	-
Fund balance:		
Organization costs	-	19,550
Equity in publishing fund	21,613	94,732
Unappropriated (Notes 3 and 4)	300,743	402,767
	<u>322,356</u>	<u>517,049</u>
Total general operating funds	<u>932,399</u>	<u>1,293,709</u>
Restricted operating funds:		
Accounts payable and accrued liabilities	25,754	61,546
Accrued vacation	26,608	14,369
Due to general operating funds	172,819	46,029
Commitments and contingencies (Note 3)	-	-
Fund balance	<u>1,453,079</u>	<u>2,020,661</u>
Total restricted operating funds	<u>1,678,260</u>	<u>2,142,605</u>
Total current funds	<u>2,610,659</u>	<u>3,436,314</u>
Endowment funds:		
Fund balance	<u>11,059</u>	<u>7,113</u>
Total endowment funds	<u>11,059</u>	<u>7,113</u>
Plant funds (Notes 1 and 4):		
Renewals and replacements - unrestricted	375,000	375,000
Net investment in plant	<u>3,622,102</u>	<u>2,762,227</u>
Total plant funds	<u>3,997,102</u>	<u>3,137,227</u>
Elimination of interfund balances	(547,893)	(421,029)
	<u>\$ 6,070,927</u>	<u>\$ 6,159,625</u>

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.

STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES

Years ended September 30, 1980 and 1979

	Current Funds September 30, 1980			Current Funds September 30, 1979		
	General Operating	Restricted Operating	Total	General Operating	Restricted Operating	Total
Revenues:						
Federal appropriation	\$ 14,667,000	\$ -	\$ 14,667,000	\$ 13,500,000	\$ -	\$ 13,500,000
Gifts:						
General	189,812	-	189,812	237,054	-	237,054
Cost sharing	61,035	-	61,035	53,283	-	53,283
Donated services	1,005,907	-	1,005,907	889,564	-	889,564
Contracts and grants:						
Federal	-	1,466,781	1,466,781	-	1,045,357	1,045,357
Other	-	175,590	175,590	-	287,128	287,128
Auxiliary enterprises	155,096	-	155,096	169,995	-	169,995
Other	167,222	-	167,222	123,378	-	123,378
Total current revenues	16,246,072	1,642,371	17,888,443	14,973,274	1,332,485	16,305,759
Expenditures:						
Education, research and training programs:						
Communications Institute	1,904,874	58,972	1,963,846	2,102,466	83,627	2,186,093
Cultural Learning Institute	2,116,648	10,853	2,127,501	1,961,210	25,908	1,987,118
Resource Systems Institute	2,108,288	406,308	2,514,596	2,171,661	146,948	2,318,609
Population Institute	1,780,729	1,031,413	2,812,142	1,737,689	1,034,059	2,771,748
Environment and Policy Institute	1,832,205	50,451	1,882,656	1,096,913	27,277	1,124,190
Open grants	1,752,740	53,652	1,806,392	1,639,329	1,687	1,641,016
Center wide seminars	-	-	-	52,300	7,889	60,189
Education dissemination service	356,165	-	356,165	410,539	-	410,539
Auxiliary services	858,968	-	858,968	813,581	-	813,581
	12,710,617	1,611,649	14,322,266	11,985,688	1,327,395	13,313,083
Program direction, administration and institute support:						
Board of Governors and International Advisory Panel	142,773	-	142,773	151,716	-	151,716
President	506,521	114	506,635	760,548	4,084	764,632
Vice President Administration	2,579,865	30,608	2,610,473	1,779,340	1,006	1,780,346
Plant operations	639,364	-	639,364	707,905	-	707,905
	3,868,523	30,722	3,899,245	3,399,509	5,090	3,404,599
Total current expenditures	16,579,140	1,642,371	18,221,511	15,385,197	1,332,485	16,717,682
Other transfers and additions (deductions):						
Excess of current restricted awards (expenditures) over expenditures (awards)	-	(567,582)	(567,582)	-	954,339	954,339
Unrestricted funds allocated to plant funds	-	-	-	(400,000)	-	(400,000)
Indirect costs recovered	231,044	-	231,044	223,778	-	223,778
Amortization of organization costs	(19,550)	-	(19,550)	(26,068)	-	(26,068)
Net increase (decrease) in equity in publishing funds	(73,119)	-	(73,119)	(32,935)	-	(32,935)
Net increase (decrease) in fund balances	\$ (194,693)	\$ (567,582)	\$ (762,275)	\$ (647,148)	\$ 954,339	\$ 307,191

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.
STATEMENT OF CHANGES IN FUND BALANCES
Years ended September 30, 1980 and 1979

	September 30, 1980				September 30, 1979			
	General Operating Funds	Restricted Operating Funds	Endowment Funds	Plant Funds	General Operating Funds	Restricted Operating Funds	Endowment Funds	Plant Funds
Revenues and other additions:								
Federal appropriation	\$ 14,667,000	\$ -	\$ -	\$ -	\$ 13,500,000	\$ -	\$ -	\$ -
Expended for plant facilities charged to current funds expenditures	-	-	-	903,418	-	-	-	838,397
Gifts and bequests unrestricted	189,812	-	-	-	237,054	-	-	-
Auxiliary enterprises revenue	155,096	-	-	-	169,995	-	-	-
Gifts, grants and contracts - restricted	-	1,305,833	3,946	-	-	2,515,051	4,483	-
Investment income	113,454	-	1,304	-	107,947	-	473	-
Indirect costs recovered	231,044	-	-	-	223,778	-	-	-
Other miscellaneous income	53,768	-	-	-	15,431	-	-	-
Cost sharing gifts and donated services	1,066,942	-	-	-	942,847	-	-	-
Burns Building furniture and equipment (Note 1)	-	-	-	-	-	-	-	93,000
Total revenues and other additions	<u>16,477,116</u>	<u>1,305,833</u>	<u>5,250</u>	<u>903,418</u>	<u>15,197,052</u>	<u>2,515,051</u>	<u>4,956</u>	<u>931,397</u>
Expenditures and other deductions:								
Education, research and training programs (including \$858,968 and \$813,581 of auxiliary enterprise expenditures for 1980 and 1979, respectively)	12,710,617	1,611,649	-	-	11,985,688	1,327,395	-	-
Investment income - restricted	-	-	1,304	-	-	-	530	-
Administration and general expense	3,868,523	30,722	-	-	3,399,509	5,090	-	-
Equity in publishing fund	73,119	-	-	-	32,935	-	-	-
Indirect costs recovered	-	231,044	-	-	-	223,778	-	-
Amortization of organization costs	19,550	-	-	-	26,068	-	-	-
Refunds to grantors	-	-	-	-	-	4,449	-	-
Expended for plant facilities	-	-	-	-	-	-	-	25,000
Equipment deletion	-	-	-	43,543	-	-	-	24,790
Total expenditures and other deductions	<u>16,671,809</u>	<u>1,873,415</u>	<u>1,304</u>	<u>43,543</u>	<u>15,444,200</u>	<u>1,560,712</u>	<u>530</u>	<u>49,790</u>
Transfer among funds - addition (deduction):								
Unrestricted funds allocated	-	-	-	-	(400,000)	-	-	400,000
Total transfer	-	-	-	-	(400,000)	-	-	400,000
Net increase (decrease) for the year	(194,693)	(567,582)	3,946	859,875	(647,148)	954,339	4,426	1,281,607
Fund balance, beginning of year	<u>517,049</u>	<u>2,020,661</u>	<u>7,113</u>	<u>3,137,227</u>	<u>1,164,197</u>	<u>1,066,322</u>	<u>2,687</u>	<u>1,855,620</u>
Fund balance, end of year	<u>\$ 322,356</u>	<u>\$ 1,453,079</u>	<u>\$11,059</u>	<u>\$3,997,102</u>	<u>\$ 517,049</u>	<u>\$2,020,661</u>	<u>\$7,113</u>	<u>\$3,137,227</u>

CENTER FOR CULTURAL AND TECHNICAL
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN GENERAL OPERATING FUND BALANCES

Year ended September 30, 1980

	Federal Appropriation	Other Current Funds	Publication Fund	Organization Fund	Inter Fund Elimination	Total General Operating Funds
Revenues and other additions:						
Federal appropriation	\$ 14,667,000	\$ -	\$ -	\$ -	\$ -	\$ 14,667,000
Gifts and bequests - unrestricted	-	189,812	-	-	-	189,812
Auxiliary enterprises revenue	-	863,260	-	-	(708,164)	155,096
Investment income	-	113,454	-	-	-	113,454
Educational activities	-	293,493	-	-	(293,493)	-
Indirect costs recovered	-	231,044	-	-	-	231,044
Other miscellaneous income	-	30,218	-	-	23,550	53,768
Cost sharing gifts and donated services	-	1,066,942	-	-	-	1,066,942
Total revenues and other additions	<u>14,667,000</u>	<u>2,788,223</u>	<u>-</u>	<u>-</u>	<u>(978,107)</u>	<u>16,477,116</u>
Expenditures and other deductions:						
Education, research and training programs (including \$707,071 and \$151,897 of auxiliary enterprise expenditures from federal appropriation and other current funds, respectively)	11,590,411	2,016,230	-	-	(896,024)	12,710,617
Administration and general expense	3,076,589	874,017	-	-	(82,083)	3,868,523
Equity in publishing fund	-	-	73,119	-	-	73,119
Amortization of organization costs	-	-	-	19,550	-	19,550
Total expenditures and other deductions	<u>14,667,000</u>	<u>2,890,247</u>	<u>73,119</u>	<u>19,550</u>	<u>(978,107)</u>	<u>16,671,809</u>
Net decrease for the year	-	(102,024)	(73,119)	(19,550)	-	(194,693)
Fund balance, beginning of year	-	402,767	94,732	19,550	-	517,049
Fund balance, end of year	<u>\$ -</u>	<u>\$ 300,743</u>	<u>\$ 21,613</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 322,356</u>



RESEARCH INFORMATION SERVICES
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